Essential Skills Companion Kit for Culinary Arts Trades Training
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Book Description

The Essential Skills Companion Kit to Culinary Arts Trades Training was developed to complement technical Culinary Arts Trades Training. The various activity sets are designed to reinforce academic information that students are required to know during their training. The Content Experts provided the Curriculum Development Team with themes and the curriculum was created to practice Essential Skills such as Reading Text, Document Use, Thinking Skills, Oral Communication and Working with Others.

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About the Book

The Essential Skills Companion Kit to Culinary Arts Trades Training includes a series of activity sets organized by theme. The activity sets are to be used by learners who are studying Culinary Arts. Each chapter contains a series of individual activity sets with lesson plans. The activity sets were designed to address key technical information that some learners may struggle with, and therefore provide additional practice to make the learning stick. Some of the activities require preparation on behalf of the instructor to make sets of the material for group and individual practice. These sets can be laminated for multiple use.

The material was created by certified Essential Skills Practitioners in collaboration with certified Red Seal Chef Instructors. The Chef instructors shared their technical training material with the curriculum developers and highlighted the areas that they found that many learners who require stronger Essential Skills, could benefit from. The companion kit has been designed to support the ITA Professional Cook 1 learning resources, with additional contributions from the authors.

The raw material was provided to a local Graphic Designer, Jason Forseth from Seabird Island First Nation, owner operator of Nadia Design. This designer was able to make the material come alive so to speak and gives the product its interactive and highly visual feature.

The material is useful for an under Level 3 learner and the Essential Skills being practiced are mainly: Reading Text, Document Use, Thinking Skills, Working with Others, Oral Communication and Continuous Learning.
The creation of the Essential Skills Companion Kit for Culinary Arts Trades Training has been a labour of love since 2012 when it was originally jump started by Metis Nation BC and funded through the Office of Literacy and Essential Skills. Unfortunately the project came to an abrupt halt and was 90% completed by 2013. The project sat for some time due to lack of funding but was never forgotten as it was felt that learners and instructors could truly benefit from the material. Many organizations supported the completion of the product but due to lack of funding, the project remained incomplete.

We would like to acknowledge Sto:lo Nation Human Resource Development (SNHRD), go2HR, Chef Andrew George, Gitxaala Nation, Vancouver Aboriginal Friendship Centre, ACCESS and BCcampus for providing funding and in-kind donations to complete this Essential Skills Companion Kit for Culinary Arts Trades Training.

We sincerely hope that Culinary Arts Instructors will enjoy integrating the material into their technical training for the benefit of their students.

Happy cooking!
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<tr>
<td>Lesson Plan: Jus &amp; Gravies – Fill in the Blanks</td>
</tr>
<tr>
<td>Jus &amp; Gravies – Activity Set</td>
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<tr>
<td>Jus &amp; Gravies – Activity Set - Answers</td>
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<tr>
<td>Lesson Plan: Jus Lié – 7 Steps for Preparing Jus Lié</td>
</tr>
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<td>Jus Lié</td>
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<tr>
<td>Jus Lié – Exercise</td>
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<tr>
<td>Lesson Plan: Broiling Meat – Fill in the Blanks</td>
</tr>
<tr>
<td>Broiling Meat – Activity Set</td>
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<tr>
<td>Broiling Meat – Activity Set - Answers</td>
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<tr>
<td>Lesson Plan: Char-Broiling Meats – 6 Steps for Char-Broiling Meats</td>
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<tr>
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<tr>
<td>Char-Broiling Meats – Exercise</td>
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<tr>
<td>Lesson Plan: Determining Doneness Char-Broiled Meats: Reading Comprehension Exercise</td>
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<tr>
<td>Determining Doneness for Char-Broiled Meats</td>
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<td>Determining Doneness for Char-Broiled Meats – Answers</td>
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<td>Lesson Plan: Griddling Meats – 6 Steps for Griddling Meats</td>
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<tr>
<td>Griddling Meats</td>
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<tr>
<td>Griddling Meats – Group Sort Exercise</td>
</tr>
<tr>
<td>Lesson Plan: Sautéing – 6 General Procedures for Sautéing</td>
</tr>
<tr>
<td>Sautéing</td>
</tr>
<tr>
<td>Sautéing – Group Sort Exercise</td>
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<tr>
<td>Lesson Plan: Pan Frying – Fill in the Blanks</td>
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<td>Pan Frying – Answers</td>
</tr>
<tr>
<td>Lesson Plan: Dry-Heat Cooking Methods for Poultry – Fill in the Blanks</td>
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<td>Dry-Heat Cooking Methods for Poultry – Exercise</td>
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<tr>
<td>Dry-Heat Cooking Methods for Poultry – Answers</td>
</tr>
<tr>
<td>Lesson Plan: Poultry Vocabulary – Term/Definition Match</td>
</tr>
<tr>
<td>Poultry Vocabulary</td>
</tr>
<tr>
<td>Poultry Vocabulary – Terms &amp; Details Match</td>
</tr>
<tr>
<td>Lesson Plan</td>
</tr>
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<td>-------------</td>
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<tr>
<td>Am I a Spice or An Herb?</td>
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<tr>
<td>Basic Seasoning and Flavouring Techniques – Exercise</td>
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<tr>
<td>Am I a Spice or Herb – Exercise</td>
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<td>Am I a Spice or Herb – Answers</td>
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<tr>
<td>Lesson Plan – Receiving Methods – Exercise</td>
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<tr>
<td>Receiving Methods – Exercise</td>
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<tr>
<td>Receiving Methods – Answers</td>
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<tr>
<td>Lesson Plan – Invoices – Exercise</td>
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<td>Invoices – Exercise</td>
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<td>Invoices – Answers</td>
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<tr>
<td>Lesson Plan – Receiving Practices – Phrase Match</td>
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<td>Receiving Practices – Study Sheet</td>
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<td>Receiving Practices – Phrase Match</td>
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<tr>
<td>Lesson Plan – Suggested Receiving Methods – Questionnaire</td>
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<tr>
<td>Suggested Receiving Methods – Reading Exercise</td>
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<tr>
<td>Suggested Receiving Methods – Questionnaire</td>
</tr>
<tr>
<td>Suggested Receiving Methods – Answers</td>
</tr>
<tr>
<td>Lesson Plan – Storing Methods – Study Sheet – A/B/C</td>
</tr>
<tr>
<td>Storing Methods – Study Sheet – A</td>
</tr>
<tr>
<td>Storing Methods – Study Sheet – B</td>
</tr>
<tr>
<td>Storing Methods – Study Sheet – C</td>
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<td>Storing Methods – Exercise 2</td>
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<tr>
<td>Storing Methods – Exercise 2 Answers</td>
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<tr>
<td>Lesson Plan – Food Deterioration</td>
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<tr>
<td>Food Deterioration – Study Sheet</td>
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<tr>
<td>Food Deterioration – Exercise 1</td>
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<tr>
<td>Food Deterioration – Exercise 1 – Answers</td>
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<tr>
<td>Lesson Plan – Food Deterioration – What Does It Look Like When It Is Going Bad?</td>
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<tr>
<td>Food Deterioration – What Does It Look Like When It Is Going Bad?</td>
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<td>Topic</td>
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<tr>
<td>BASIC BAKING</td>
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<tr>
<td>LESSON PLAN - FUNDAMENTAL RULE OF BAKING</td>
</tr>
<tr>
<td>FLOURS</td>
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<td>FATS</td>
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<td>STARCHES</td>
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<td>LEAVENING AGENTS</td>
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<tr>
<td>LESSON PLAN - BASIC PRINCIPLES OF BAKING</td>
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<tr>
<td>BAKING - QUIZ CARDS</td>
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<td>LESSON PLAN - PIE DOUGH - FILL IN THE BLANKS</td>
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<tr>
<td>PIE DOUGH - EXERCISE</td>
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<tr>
<td>PIE DOUGH - EXERCISE ANSWERS</td>
</tr>
<tr>
<td>LESSON PLAN - WHAT HAPPENED TO MY PIE CRUST?</td>
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<tr>
<td>WHAT HAPPENED TO MY PIE DOUGH?</td>
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<tr>
<td>WHAT HAPPENED TO MY PIE DOUGH? - PHRASE MATCH EXERCISE</td>
</tr>
<tr>
<td>LESSON PLAN - COMMON TYPES OF PIE DOUGH</td>
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<tr>
<td>COMMON TYPES OF PIE DOUGH - STUDY SHEET</td>
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<tr>
<td>COMMON TYPES OF PIE DOUGH - EXERCISE</td>
</tr>
<tr>
<td>COMMON TYPES OF PIE DOUGH - ANSWERS</td>
</tr>
<tr>
<td>LESSON PLAN - UNBAKED AND BAKED PIES</td>
</tr>
<tr>
<td>UNBAKED AND BAKED PIES - STUDY SHEET</td>
</tr>
<tr>
<td>Section</td>
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<tr>
<td>------------------------------------------------------------------------</td>
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<tr>
<td>UNBAKED AND BAKED PIES - QUESTIONNAIRE</td>
</tr>
<tr>
<td>UNBAKED AND BAKED PIES - ANSWERS</td>
</tr>
<tr>
<td>LESSON PLAN - QUICK BREADS – MUFFIN METHOD &amp; BISCUIT METHOD</td>
</tr>
<tr>
<td>QUICK BREADS – MUFFIN METHOD AND BISCUIT METHOD STUDY SHEET</td>
</tr>
<tr>
<td>QUICK BREADS – MUFFIN METHOD EXERCISE</td>
</tr>
<tr>
<td>QUICK BREADS – BISCUIT METHOD EXERCISE</td>
</tr>
<tr>
<td>REFERENCES</td>
</tr>
<tr>
<td>ATTRIBUTIONS</td>
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<tr>
<td>SPECIAL THANKS</td>
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<tr>
<td>RESOURCES</td>
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<tr>
<td>PROFESSIONALISM - CHEFS AND RESTAURANTS - WORDMATCH</td>
</tr>
<tr>
<td>PROFESSIONALISM - CULINARY FRENCH VOCABULARY - WORDMATCH</td>
</tr>
<tr>
<td>PROFESSIONALISM - THE CLASSIC KITCHEN VOCABULARY - WORDMATCH</td>
</tr>
<tr>
<td>SOUPS, STOCKS &amp; SAUCES - STOCKS - WORDMATCH EXERCISE</td>
</tr>
<tr>
<td>MEAT &amp; POULTRY COOKERY - POULTRY VOCABULARY - TERMS &amp; DETAILS MATCH</td>
</tr>
<tr>
<td>BFS &amp; KM - BASIC SEASONING AND FLAVOURING TECHNIQUES – WORDMATCH</td>
</tr>
<tr>
<td>11 X 17 POSTERS &amp; BOARD GAMES</td>
</tr>
<tr>
<td>PAGE 68 - TEMPERATURE DANGER ZONE - 11 X 17 POSTER</td>
</tr>
<tr>
<td>PAGE 72 - PROPER HANDWASHING PROCEDURE - 11 X 17 POSTER</td>
</tr>
<tr>
<td>PAGE 77 - SAFE BEHAVIOUR ON THE JOB - 11 X 17 POSTER</td>
</tr>
<tr>
<td>PAGE 148 - SHOOTS &amp; LADDERS EXERCISE - 11 X 17 BOARD GAME</td>
</tr>
<tr>
<td>PAGE 260 - HOT &amp; COLD SANDWICHES - 11 X 17 POSTER</td>
</tr>
</tbody>
</table>
PROFESSIONALISM
LESSON PLAN - CHEFS AND RESTAURANTS - WORD/DEFINITION MATCH

From the kitchen of PROFESSIONALISM

Purpose and Practice:

- Matching Chefs and Restaurant related vocabulary to definitions
- Pronunciation of French words related to the subject
- Studying and memorizing pertinent names of historical chefs and restaurant terms

Ingredients

<table>
<thead>
<tr>
<th>Page 9 (handout)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pages 10, 11, 12 (9 vocabulary/definition cut outs – to make sets for group work)</td>
</tr>
</tbody>
</table>

Method

- Instructor prepares appropriate number of sets of the 9 terms by photocopying the 9 “Chef Heads” and cutting them out along the dotted lines so that the top of the chef hat (vocabulary word) is separated from the chef face (definition).
- Shuffle word and definitions so that they are not in order.
- Distribute a complete (shuffled) set to each group (2 to 5 students per group).
- Invite each group to work together (encouraging total participation) to match the correct term (chef hat) to the correct definition of the term (chef face).
- Once matched, invite the groups to practice the pronunciation of the French terms/words; (i.e. “restaurer” sounds like “res-taw-ray”).
- Come together as a whole class to review matches and practice pronunciation together.
- Provide each learner with a copy of the handout called “Chefs and Restaurants - (page 9)"

Cooking Time

45 - 60 minutes

Essential Skills being practiced

- Thinking Skills
- Working With Others
- Oral Communication
- Document Use
- Reading Text

Tip:

To avoid mixing up sets for future use, tag each one for easy re-set and shuffle. For example, each piece of set #1 has a blue dot on each piece, set #2 a red dot, etc.
## Chefs and Restaurants

<table>
<thead>
<tr>
<th>Vocabulary</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restaurer</td>
<td>Where the French word “restaurant” comes from meaning “to restore”.</td>
</tr>
<tr>
<td>Monsieur Boulanger</td>
<td>A French tavern keeper who the French claim opened the first modern restaurant in 1765.</td>
</tr>
<tr>
<td>Antoine Beauvilliers</td>
<td>In 1782, he advanced the development of the modern restaurant by offering his wealthy customers a menu of dishes during fixed hours and served by highly trained wait staff.</td>
</tr>
<tr>
<td>Antonin Careme</td>
<td>19th century designed meals that involved complex multiple courses that were prepared in great detail and special presentation with garnishes and sauces. Became to be known as “grande cuisine”. Known as the “cook of kings and the king of cooks”!</td>
</tr>
<tr>
<td>Cuisine</td>
<td>Cooking procedures, styles, ingredients and seasonings typical to a particular group of people.</td>
</tr>
<tr>
<td>Charles Ranhofer</td>
<td>The first internationally renowned chef of an American restaurant. In 1893, he published a “franco-american” encyclopedia of cooking called “The Epicurean” which contained more than 3,500 recipes.</td>
</tr>
<tr>
<td>Epicure</td>
<td>A person who appreciates fine food and drink.</td>
</tr>
<tr>
<td>Auguste Escoffier</td>
<td>He refined the “haute cuisine” of Careme to create “cuisine classique” or “classic cuisine”. He brought French cuisine into the 20th century.</td>
</tr>
<tr>
<td>Fernand Point</td>
<td>A mid-20th century leader of “Nouvelle Cuisine” which was a trend toward lighter, more naturally flavoured and more simply prepared foods.</td>
</tr>
</tbody>
</table>
Restaurer  
(sounds like... res-taw-ray)

Where the French word “restaurant” comes from meaning “to restore”.

Monsieur Boulanger  
(sounds like... Mon-see-ur Boo-lan-jay)

A French tavern keeper who the French claim opened the first modern restaurant in 1765.

Antoine Beauvilliers  
(sounds like... An-twon Bo-vee-lee-ay)

In 1782, he advanced the development of the modern restaurant by offering his wealthy customers a menu of dishes during fixed hours and served by highly trained wait staff.
Antonin Careme
(sounds like... An-to-nayn Ka-rem)

19th century designed meals that involved complex multiple courses that were prepared in great detail and special presentation with garnishes and sauces. Became to be known as “grande cuisine”. Known as the “cook of kings and the king of cooks”!

Cuisine
(sounds like... kwi-zeen)

Cooking procedures, styles, ingredients and seasonings typical to a particular group of people.

Charles Ranhofer

The first internationally renowned chef of an American restaurant. In 1893, he published a “franco-american” encyclopedia of cooking called “The Epicurean” which contained more than 3,500 recipes.
Epicure
A person who appreciates fine food and drink.

Auguste Escoffier
(sounds like... Ah-goost Es-ko-fee-ay)
He refined the “haute cuisine” of Careme to create “cuisine classique” or “classic cuisine”. He brought French cuisine into the 20th century.

Fernand Point
(sounds like... Fer-nand Pway)
A mid-20th century leader of “Nouvelle Cuisine” which was a trend toward lighter, more naturally flavoured and more simply prepared foods.
### LESSON PLAN - CULINARY FRENCH VOCABULARY - WORD/DEFINITION MATCH

**Recipe**

From the kitchen of  PROFESSIONALISM

### Purpose and Practice:
- Matching 17 culinary terms to definitions
- Pronunciation of French words related to cooking
- Studying and memorizing pertinent vocabulary to its proper definition
- Working with others to accomplish a task

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 14 (handout)</td>
<td>Instructor prepares appropriate number of sets of the 17 terms by photocopying the 17 pots and cutting them out along the dotted lines so that the lid of the pot (vocabulary word) is separated from the bottom of the pot (definition).</td>
</tr>
<tr>
<td>Pages 15, 16, 17, 18, 19</td>
<td>Shuffle word and definitions so that they are not in order</td>
</tr>
<tr>
<td>(17 vocabulary/definition cut outs – to make sets for group work)</td>
<td>Distribute a complete (shuffled) set to each group (2 to 5 students per group)</td>
</tr>
<tr>
<td></td>
<td>Invite each group to work together (encouraging total participation) to match the correct term (pot lid) to the correct definition (pot).</td>
</tr>
<tr>
<td></td>
<td>Once matched, invite the groups to practice the pronunciation of the French terms/words; (i.e. “bain marie sounds like “bayn maree”).</td>
</tr>
<tr>
<td></td>
<td>Come together as a whole class to review matches and practice pronunciation together.</td>
</tr>
<tr>
<td></td>
<td>Provide each learner with a copy of the handout called “Culinary French Vocabulary” page 14.</td>
</tr>
</tbody>
</table>

### Cooking Time
- 45 - 60 minutes

### Essential Skills being practiced
- Thinking Skills
- Working With Others
- Oral Communication
- Document Use
- Reading Text

### Tip:
To avoid mixing up sets for future use, tag each one for easy re-set and shuffle. For example, each piece of set #1 has a blue dot on each piece, set #2 a red dot, etc.
## CULINARY FRENCH VOCABULARY

<table>
<thead>
<tr>
<th>Vocabulary</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bain marie</td>
<td>A hot water bath for gently cooking foods or keeping cooked foods hot.</td>
</tr>
<tr>
<td>(sounds like...bayn maree)</td>
<td></td>
</tr>
<tr>
<td>Brunoise</td>
<td>Cube shaped cuts of vegetables or other foods.</td>
</tr>
<tr>
<td>(sounds like...broo-nwhaz)</td>
<td></td>
</tr>
<tr>
<td>Canape</td>
<td>An appetizer usually made from a small piece of bread or toast topped with a spread or garnish.</td>
</tr>
<tr>
<td>(sounds like...ka-na-pay)</td>
<td></td>
</tr>
<tr>
<td>Garnish</td>
<td>Food used to decorate or add flavor to the main ingredients in a dish.</td>
</tr>
<tr>
<td>Reduction</td>
<td>Cooking a liquid until it decreases through evaporation.</td>
</tr>
<tr>
<td>Demi-glace</td>
<td>A mixture of brown stock and brown sauce reduced by half. (“half glaze”)</td>
</tr>
<tr>
<td>(sounds like...de-mee glihs)</td>
<td></td>
</tr>
<tr>
<td>Ganache</td>
<td>A rich pastry or candy filling made with chocolate, heavy cream and other flavourings.</td>
</tr>
<tr>
<td>(sounds like...ga-nash)</td>
<td></td>
</tr>
<tr>
<td>Julienne</td>
<td>Stick-shaped cuts</td>
</tr>
<tr>
<td>(sounds like...joo-lee-ehr)</td>
<td></td>
</tr>
<tr>
<td>Mayonnaise</td>
<td>A sauce made of egg yolks and oil and seasoned with vinegar, mustard and seasonings.</td>
</tr>
<tr>
<td>Reduction</td>
<td>“Everything in place” meaning the preparation and assembly of all ingredients and equipment needed before a dish can be cooked.</td>
</tr>
<tr>
<td>Mise en place</td>
<td>A thickener for sauces made by cooking together equal weights of fat and flour.</td>
</tr>
<tr>
<td>(sounds like...meez-an-plahs)</td>
<td></td>
</tr>
<tr>
<td>Puree</td>
<td>Food that is processed by mashing, straining or fine chopping until it is a smooth pulp.</td>
</tr>
<tr>
<td>(sounds like...pyu-ray)</td>
<td></td>
</tr>
<tr>
<td>Rondeau</td>
<td>A shallow, wide, straightsided pot with two loop handles.</td>
</tr>
<tr>
<td>(sounds like...rondo)</td>
<td></td>
</tr>
<tr>
<td>Roux</td>
<td>A “bag of spices” ingredients such as bay leaf, thyme, cloves, pepperpods and parsley stems, tied in a cheesecloth bag and used to flavour stocks and other dishes.</td>
</tr>
<tr>
<td>(sounds like...sa-shay)</td>
<td></td>
</tr>
<tr>
<td>Sauté</td>
<td>To cook in an open pan in a small amount of fat at a high temperature.</td>
</tr>
<tr>
<td>(sounds like...saw-tay)</td>
<td></td>
</tr>
<tr>
<td>Vinaigrette</td>
<td>A temporary emulsion of oil and vinegar seasoned with herbs, spices and other flavourings.</td>
</tr>
<tr>
<td>(sounds like...vee-ray-gret)</td>
<td></td>
</tr>
</tbody>
</table>
Canapé
An appetizer usually made from a small piece of bread.

Garnish
Food used to decorate or add flavor to the main ingredients in a dish.

Bain-marie
A hot water bath for gently cooking foods or keeping cooked foods hot.

Brunoise
Food used to decorate or add flavor to the main ingredients in a dish.
**Demi-glace**
A mixture of brown stock and brown sauce reduced by half. ("half glaze")

**Reduction**
Cooking a liquid until it decreases through evaporation.

**Ganache**
A rich pastry or candy filling made with chocolate, heavy cream and other flavorings.

**Julienne**
Stick-shaped cuts (sounds like "joo-lie-en")

**Stick-shaped cuts** (sounds like "joo-lie-en")

**Decoration**
A sauce made of egg yolks and oil and seasoned with vinegar, mustard and seasonings.

Mise en place

“Everything in place” meaning the preparation and assembly of all ingredients and equipment needed before a dish can be cooked.

Mirepoix

A mixture of onions, carrots and celery, used to flavour soup stocks, sauces and other dishes.

Puree

Food that is processed by mashing, straining or fine chopping until it is a smooth pulp.

Mayonnaise

A sauce made of egg yolks, mustard and vinegar, used and seasoned with seasonings.
Essential Skills Companion Kit for Culinary Arts Trades Training

**Roux**
(sounds like..roo)

A thickener for sauces made by cooking together equal weights of fat and flour.

**Sauté**
(sounds like..saw-tay)

To cook in an open pan in a small amount of fat at a high temperature.

**Rondeau**
(sounds like..rondo)

A shallow, wide, straightsided pot with two loop handles.

**Sachet**
(sounds like..sa-shay)

A “bag of spices” ingredients such as bay leaf, thyme, cloves, peppercorns and parsley stems, tied in a cheesecloth bag and used to flavour stocks and other dishes.
A temporary emulsion of oil and vinegar seasoned with herbs, spices and other flavourings. (Sounds like...vee-AY-gray-teh)
**Recipe**

From the kitchen of [Name]

**Purpose and Practice:**

- Matching Classic and Modern kitchen related vocabulary to definitions
- Pronunciation of French words related to the subject
- Studying and memorizing pertinent names of Classic and Modern kitchen terms

### Ingredients

<table>
<thead>
<tr>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 21 (handout)</td>
</tr>
<tr>
<td>Pages 22, 23, 24</td>
</tr>
<tr>
<td>(4 Classic Kitchen terms and 8 Modern Kitchen terms)</td>
</tr>
</tbody>
</table>

- Instructor prepares appropriate number of sets of the terms photocopying the 12 chef hats and cutting them out along the dotted lines so that the top of the chef hat (vocabulary word) is separated from the bottom of the chef hat (definition).
- Shuffle word and definitions so that they are not in order.
- Distribute a complete (shuffled) set to each group (2 to 5 students per group).
- Invite each group to work together (encouraging total participation) to match the correct term (top of chef hat) to the correct definition (bottom of chef hat).
- In the case of the Classic Kitchen terms, invite the groups to practice the pronunciation of the French terms/words; (i.e. “saucier” sounds like “saw-see-ay”).
- Come together as a whole class to review matches and practice pronunciation together.
- Provide each learner with a copy of the handout called “The Classic and Modern Kitchen Vocabulary” (page 21).

### Cooking Time

- 20 minutes for Classic Kitchen terms and 40 minutes for Modern Kitchen terms (separate the two).

### Essential Skills being practiced

- Thinking Skills
- Working With Others
- Oral Communication
- Document Use
- Reading Text

### Tip:

To avoid mixing up sets for future use, tag each one for easy re-set and shuffle. For example, each piece of set #1 has a blue dot on one piece, set #2 a red dot, etc.
<table>
<thead>
<tr>
<th>The Classic Kitchen Vocabulary</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>The saucier (sounds like...saw-see-ay)</td>
<td>One who is responsible for all sautéed items and most sauces.</td>
</tr>
<tr>
<td>The Entremetier (sounds like...en-tr-met-tee-ay)</td>
<td>One who is responsible for vegetables, starches and soups.</td>
</tr>
<tr>
<td>The garde-manger (sounds like...guard-mon-jay)</td>
<td>One who is responsible for buffets and cold preparations as well as butchering meats and poultry.</td>
</tr>
<tr>
<td>The patissier (sounds like...paw-tees-see-ay)</td>
<td>One who is responsible for all baked items including breads, pastries and desserts.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>The Modern Kitchen Vocabulary</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Executive Chef</td>
<td>Coordinates kitchen activities, directs kitchen staff training and work tasks, assesses food costs, food availability, popularity, labour costs, plans menus, creates recipes. Sets safety standards, responsible for purchasing food and equipment.</td>
</tr>
<tr>
<td>Sous-chef or Executive sous-chef</td>
<td>Participates in, supervises and coordinates the preparation of menu items. His or her main responsibility is to make sure that the food is prepared, portioned, garnished and presented according to the standards set by the executive chef.</td>
</tr>
<tr>
<td>Line Cooks</td>
<td>Responsible for preparing menu items according to recipe specifications.</td>
</tr>
<tr>
<td>Pastry Chef</td>
<td>Responsible for developing recipes for and preparing desserts, pastries, frozen desserts and bread.</td>
</tr>
<tr>
<td>Apprentices</td>
<td>Cooks who are learning their trade in different areas of the kitchen.</td>
</tr>
<tr>
<td>Short Order Cook</td>
<td>Responsible for quickly preparing foods to order in smaller operations.</td>
</tr>
<tr>
<td>Institutional Cook</td>
<td>Generally works with large quantities of prepackaged or prepared foods for institutions such as schools, hospitals, jails.</td>
</tr>
<tr>
<td>Camp Cook</td>
<td>Often prepare food in remote locations with limited facilities.</td>
</tr>
</tbody>
</table>
One who is responsible for all sautéed items and most sauces.

**The Saucier**
(sounds like...saw-see-ay)

One who is responsible for vegetables, starches and soups.

**The Garde-manger**
(sounds like...guard-mon-jay)

One who is responsible for all baked items including breads, pastries and desserts.

**The Patissier**
(sounds like...paw-tees-see-ay)

One who is responsible for all sautéed items and most sauces.

**The Saucier**
(sounds like...saw-see-ay)

One who is responsible for vegetables, starches and soups.

**The Garde-manger**
(sounds like...guard-mon-jay)

One who is responsible for all baked items including breads, pastries and desserts.

**The Patissier**
(sounds like...paw-tees-see-ay)
Line Cooks

Task: Participates in, supervises and coordinates the preparation of menu items. His or her main responsibility is to make sure that the food is prepared, portioned, garnished and presented according to the standards set by the executive chef.

The Executive Chef

Task: Coordinates kitchen activities; directs kitchen staff; training and work tasks; assesses food costs; food availability; popularity; labour costs; food wastability; purchasing; set daily menu, creates recipes. Sets safety standards, responsible for purchasing food and equipment.

Pastry Chef

Task: Responsible for developing recipes for and preparing desserts, pastries, frozen desserts and bread.

Executive Sous-Chef

Task: Participates in supervises and coordinates the preparation of menu items. His or her main responsibility is to make sure that the food is prepared, portioned, garnished and presented according to the standards set by the executive chef.
Cooks who are learning their trade in different areas of the kitchen.

Institutional Cook
- Generally works with large quantities of prepackaged or prepared foods for institutions such as schools, hospitals, prisons.

Apprentices
- Often prepare food in locations with limited facilities.

Camp Cook
- Responsible for quickly preparing foods to order in remote locations.

Short Order Cook
- Preparing foods to order in smaller operations.
<table>
<thead>
<tr>
<th>Gastronomy</th>
<th>The art and science of eating well.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gourmet</td>
<td>one who enjoys fine food and drink.</td>
</tr>
<tr>
<td>Gourmand</td>
<td>one who enjoys fine food and drink, often to excess.</td>
</tr>
<tr>
<td>Gourmet Foods</td>
<td>Foods of the highest quality, perfectly prepared and beautifully presented.</td>
</tr>
</tbody>
</table>
# Lesson Plan - On Taste - Fill in the Blanks

## Purpose and Practice:
- Reading material previously studied in class
- Remembering what was learned

## Ingredients
<table>
<thead>
<tr>
<th>Page 41 (learners’ handout)</th>
<th>Page 42 (instructor’s answer key)</th>
</tr>
</thead>
</table>

## Method
- Instructor prepares appropriate number of “On Taste” handouts for the learners
- Individually, learners fill in the blanks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting
- Invite learners to discuss the topic of “taste” and what this means to them. (i.e. “describe a time when you tasted something new for the first time”, “what is your favourite flavour of ice cream”, “do you prefer sweet or salty”)

## Cooking Time
20 minutes

## Essential Skills being practiced
- Reading Text
- Thinking Skills
- Writing
- Document Use

## Tip: (to practice oral communication skills)
ON TASTE

Fill in the blanks using the words provided below:

<table>
<thead>
<tr>
<th>sweet</th>
<th>babyfood</th>
<th>four</th>
<th>aromatic</th>
</tr>
</thead>
<tbody>
<tr>
<td>umami</td>
<td>early</td>
<td>hot</td>
<td>salty</td>
</tr>
</tbody>
</table>

The structure of our taste is formed very _____________, basically when we start eating ________________. As Westerners, we divide taste into ______________ major groups: ____________, sour, _________ and bitter.

Other cultures have added __________(a pleasant savoury taste), ______(spicy), ____________ (a dry feeling in the mouth), ___________ and pungent to the modern definition of taste.
ON TASTE - ANSWERS

Fill in the blanks using the words provided below:

<table>
<thead>
<tr>
<th>sweet</th>
<th>babyfood</th>
<th>four</th>
<th>aromatic</th>
</tr>
</thead>
<tbody>
<tr>
<td>umami</td>
<td>early</td>
<td>hot</td>
<td>salty</td>
</tr>
</tbody>
</table>

The structure of our taste is formed very _____ early, basically when we start eating _____ babyfood ______. As Westerners, we divide taste into ______ four major groups: ______ sweet, sour, ______ salty and bitter.

Other cultures have added ___ umami (a pleasant savoury taste), ___ hot (spicy), ___ astringent (a dry feeling in the mouth), ___ aromatic and pungent to the modern definition of taste.
## PURPOSE AND PRACTICE:

- Reading material previously studied in class and remembering what was learned

## INGREDIENTS

<table>
<thead>
<tr>
<th>Page 30</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>(learners’ handout)</td>
<td>- Instructor prepares appropriate number of “Pride in the Uniform” handouts for the learners</td>
</tr>
<tr>
<td></td>
<td>- Individually, learners fill in the banks using the words provided to complete the passage.</td>
</tr>
<tr>
<td>Page 31</td>
<td>- Instructor reviews the answers with the class in a group setting</td>
</tr>
<tr>
<td>(instructor’s answer key)</td>
<td></td>
</tr>
</tbody>
</table>

## COOKING TIME

- 30 minutes

## ESSENTIAL SKILLS BEING PRACTICED

- Reading Text
- Thinking Skills
- Writing
- Document Use

## TIP:

(for oral communication) Invite learners to discuss the topic of “Uniforms” and what this means to them. (i.e. “What are the benefits to wearing a uniform at work?” “What does wearing a uniform in the kitchen mean to you?”)
PRIDE IN THE UNIFORM

Fill in the blanks using the words provided below:

<table>
<thead>
<tr>
<th>pressed</th>
<th>burns</th>
<th>absorbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>stains</td>
<td>pride</td>
<td>polished</td>
</tr>
<tr>
<td>rebuked</td>
<td>uniform</td>
<td>protects</td>
</tr>
</tbody>
</table>

Checked trousers disguise ______________. The double-breasted white jacket can be ______________ to hide dirt, and the double layer fabric ______________ from scalds and ______________. The neckerchief ______________ facial perspiration and the apron protects the ______________ and insulates the body. Side towels are useful. This uniform should be worn with ______________. Shoes should be ______________; trousers and jacket should be ______________.
PRIDE IN THE UNIFORM - ANSWERS

Fill in the blanks using the words provided below:

<table>
<thead>
<tr>
<th>pressed</th>
<th>burns</th>
<th>absorbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>stained</td>
<td>pride</td>
<td>polished</td>
</tr>
<tr>
<td>rebuttoned</td>
<td>uniform</td>
<td>protects</td>
</tr>
</tbody>
</table>

Checked trousers disguise ______ stains______. The double-breasted white jacket can be ______ rebuttoned______ to hide dirt, and the double layer fabric ______ protects______ from scalds and ______ burns______. The neckerchief ______ absorbs______ facial perspiration and the apron protects the ______ uniform______ and insulates the body. Side towels are useful. This uniform should be worn with ______ pride______. Shoes should be ______ polished______; trousers and jacket should be ______ pressed______. 
### Purpose and Practice:

- Matching food safety and sanitation related vocabulary to definitions
- Studying and memorizing pertinent terms

### Ingredients

- Page 47, 48 (handout – Terms and Definitions: series 1, 2 and 3)
- Pages 49, 50, 51, 52, 53, 54 (vocabulary/definition cut outs – 8 terms per series)

### Method

- Instructor prepares appropriate number of sets of the 24 terms by photocopying the 24 terms (shaped like squares, octagons, circles and triangles) and cutting them out along the dotted lines so that the outside of the shape (the term) and the inside of the shape (the definition) are separated from each other.
- Separate the terms by series
- Shuffle word and definitions from series 1 so that they are not in order
- Distribute a complete (shuffled) set to each group (2 to 5 students per group)
- Invite each group to work together (encouraging total participation) to match the correct term to the correct definition of the term.
- Come together as a whole class to review matches and practice pronunciation together.
- Provide each learner with a copy of the handout called “Terms and Definition” Series 1, 2, 3

### Essential Skills being practiced

- Thinking Skills
- Working With Others
- Oral Communication
- Document Use
- Reading Text

### Tip:

Deliver just one series per session. The terms are complicated and should be practiced in small doses with some reflection time before studying a new set. To avoid mixing up sets, come up with a system of tagging sets for easy re-set and shuffle. For example, each set of series 1 can be labelled 1 in a particular color, series 2 labelled 2 in a particular color and series 3 in a particular color.
### TERMS AND DEFINITIONS

<table>
<thead>
<tr>
<th>Vocabulary</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>sanitation</td>
<td>the creation and maintenance of conditions that control food contamination of food borne illnesses</td>
</tr>
<tr>
<td>contamination</td>
<td>the presence of harmful organisms or substances</td>
</tr>
<tr>
<td>direct contamination</td>
<td>the contamination of raw foods in their natural settings or habitats</td>
</tr>
<tr>
<td>cross contamination</td>
<td>the transfer of bacteria or other contaminants from one food, work surface or piece of equipment to another</td>
</tr>
<tr>
<td>microorganisms</td>
<td>single-celled organisms as well as tiny plants and animals that can be seen only through a microscope</td>
</tr>
<tr>
<td>putrefactives</td>
<td>bacteria that spoil food without making it unfit for eating</td>
</tr>
<tr>
<td>pathogen</td>
<td>any organism that causes illness; usually refers to bacteria</td>
</tr>
<tr>
<td>intoxication</td>
<td>in the food safety language, an illness caused by the toxins that bacteria produce</td>
</tr>
<tr>
<td>toxins</td>
<td>byproducts of living bacteria that can cause illness if you eat enough</td>
</tr>
<tr>
<td>infection</td>
<td>in the food safety context, an illness caused by the ingestion of live pathogenic bacteria that multiply in the consumer’s intestinal tract</td>
</tr>
<tr>
<td>toxin mediated infection</td>
<td>illness from toxins produced in the intestine after ingesting living bacteria</td>
</tr>
<tr>
<td>potentially hazardous foods</td>
<td>foods on which bacteria survive and multiply</td>
</tr>
<tr>
<td>temperature danger zone</td>
<td>the range of temperatures between 4 degrees Celsius and 60 degrees Celsius (40 degrees Fahrenheit and 140 degrees Fahrenheit) at which bacteria multiply rapidly</td>
</tr>
<tr>
<td>lag phase</td>
<td>a period, usually following transfer from one place to another, during which bacteria do not experience much growth</td>
</tr>
<tr>
<td>log phase</td>
<td>a period of accelerated growth for bacteria</td>
</tr>
<tr>
<td>decline phase</td>
<td>a period during which bacteria die at an accelerated rate, also known as the negative growth phase</td>
</tr>
<tr>
<td>Vocabulary</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>anaerobic bacteria</td>
<td>bacteria that is able to live and grow without the presence of oxygen</td>
</tr>
<tr>
<td>facultative bacteria</td>
<td>bacteria that can adapt and will survive with or without oxygen</td>
</tr>
<tr>
<td>aerobic bacteria</td>
<td>bacteria that needs oxygen to survive</td>
</tr>
<tr>
<td>trichinosis</td>
<td>an illness caused by eating undercooked game or pork infected with trichina larvae</td>
</tr>
<tr>
<td>anisakiasis</td>
<td>an illness caused by parasitic roundworms</td>
</tr>
<tr>
<td>cyclospora</td>
<td>caused by a single-celled parasite found in water or food contaminated by infected feces</td>
</tr>
<tr>
<td>hepatitis A</td>
<td>this virus often enters the food supply through sewage-polluted waters. It is carried by humans and transmitted by poor personal hygiene and cross contamination</td>
</tr>
<tr>
<td>Norwalk virus</td>
<td>this virus is spread almost entirely by poor personal hygiene among infected food handlers. The virus is found in human feces, contaminated water or vegetables fertilized by manure</td>
</tr>
</tbody>
</table>
SANITATION

the creation and maintenance of conditions that control food contamination of food borne illnesses

CONTAMINATION

the presence of harmful organisms or substances

CROSS CONTAMINATION

the transfer of bacteria or other contaminants from one food, work surface or piece of equipment to another
**Microorganisms**

Single-celled organisms as well as tiny plants and animals that can be seen only through a microscope.

**Putrefactives**

Bacteria that spoil food without making it unfit for eating.

**Pathogen**

Any organism that causes illness; usually refers to bacteria.

**Intoxication**

In the food safety language, an illness caused by the toxins that bacteria produce.
**Toxins**

byproducts of living bacteria that can cause illness if you eat enough

**Infection**

in the food safety context, an illness caused by the ingestion of live pathogenic bacteria that multiply in the consumer’s intestinal tract

**Potentially Hazardous Foods**

foods on which bacteria survive and multiply

illness from toxins produced in the intestine after ingesting living bacteria
Terms and Definitions - Wordmatch

**Term:** temperature danger zone

- **Definition:** the range of temperatures between 4 degrees Celsius and 60 degrees Celsius (40 degrees Fahrenheit and 140 degrees Fahrenheit) at which bacteria multiply rapidly.

**Term:** lag phase

- **Definition:** a period, usually following transfer from one place to another, during which bacteria do not experience much growth.

**Term:** decline phase

- **Definition:** a period during which bacteria die at an accelerated rate, also known as the negative growth phase.

**Term:** log phase

- **Definition:** a period of accelerated growth for bacteria.
**anaerobic bacteria**

bacteria that is able to live and grow without the presence of oxygen

**trichinosis**

an illness caused by eating undercooked game or pork infected with trichina larvae

**facultative bacteria**

bacteria that can adapt and will survive with or without oxygen

**aerobic bacteria**

bacteria that needs oxygen to survive
Norwalk virus

- this virus often enters the food supply through sewage-polluted waters.
- It is carried by humans and transmitted by poor personal hygiene and cross contamination.

Norwalk Virus

Hepatitis A

- an illness caused by parasitic roundworms
- this virus is spread almost entirely by poor personal hygiene among infected food handlers.
- The virus is found in human feces, contaminated water or vegetables fertilized by manure.

Cyclospora

- caused by a single-celled parasite found in water or food contaminated by infected feces.
Recipe

From the kitchen of

FOOD SAFETY & SANITATION

Purpose and Practice:

- Review of pertinent acronyms related to food safety in the food industry.
- Identification of acronyms, what they stand for and what they mean

Ingredients

- Page 56 (handout definition and description)
- Page 57 (meaning and definition cut outs)
- Page 58 (practice acronym, meaning and definition)
- Page 59 (Quiz)
- Page 60 (Answer key for the quiz)

Method

- Instructor prepares appropriate number of sets of the 9 terms using page 57, by cutting out along the dotted lines to separate the acronym from the meaning and the definition.
- Shuffle acronyms, meanings and definitions so that they are not in order
- Distribute a complete (shuffled) set to each group (2 to 5 students per group)
- Invite each group to work together (encouraging total participation) to match the acronym to the correct meaning and definition.
- Come together as a whole class to review matches.
- Provide each learner with a copy of the handout called “Acronyms”
- Using page 58 as a handout, invite the students to practice writing out the acronyms, what they stand for and their meaning
- Have the learners complete the quiz on page 59. Review the answers together.

Cooking Time

60 minutes

Essential Skills being practiced

- Thinking Skills
- Working With Others
- Document Use
- Reading Text
- Writing

Tip:

Tag sets by color for easy reset and shuffle for future use.

Invite the students to talk about other acronyms used in daily life. Discuss the benefits and challenges to using acronyms at work.
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFIA</td>
<td>Canadian Food Inspection Agency</td>
<td>ultimate responsibility in Food Industry</td>
</tr>
<tr>
<td>PHF</td>
<td>Potentially Hazardous Food</td>
<td>foods on which bacteria can thrive</td>
</tr>
<tr>
<td>pH</td>
<td>potential Hydrogen</td>
<td>to do with acid/alkaline balance</td>
</tr>
<tr>
<td>°C</td>
<td>degrees Celsius</td>
<td>Metric system for measuring temperature</td>
</tr>
<tr>
<td>°F</td>
<td>degrees Fahrenheit</td>
<td>Imperial system for measuring temperature</td>
</tr>
<tr>
<td>HACCP</td>
<td>Hazard Analysis Critical Control Points</td>
<td>a modern, scientifically based inspection system</td>
</tr>
<tr>
<td>SAFE</td>
<td>Sanitary Assessment of the Food Environment</td>
<td>a rigorous self inspection system</td>
</tr>
<tr>
<td>OHSA</td>
<td>Occupational Health and Safety Act</td>
<td>legislation enacted by the Federal Government with a goal to reduce hazards in the work area</td>
</tr>
<tr>
<td>CPR</td>
<td>cardiopulmonary resuscitation</td>
<td>a first aid procedure for reviving the lungs</td>
</tr>
<tr>
<td>ACRONYMS</td>
<td>WORDMATCH</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>CPR</td>
<td>Cardiopulmonary Resuscitation</td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Health and Safety Act</td>
<td></td>
</tr>
<tr>
<td>SAFE</td>
<td>Sanitary Environment Assessments of the Food Industry</td>
<td></td>
</tr>
<tr>
<td>HACCP</td>
<td>Hazard Analysis Critical Control Points</td>
<td></td>
</tr>
<tr>
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</tr>
<tr>
<td>pH</td>
<td>Potential Hydrogen</td>
<td></td>
</tr>
<tr>
<td>CFIA</td>
<td>Canadian Food Inspection Agency</td>
<td></td>
</tr>
</tbody>
</table>

- A first aid procedure for reviving the lungs
- The work area
- Legislation enacted by the Federal Government with a goal to reduce hazards in the food industry
- A rigorous self-inspection system
- A modern, scientifically based inspection system
- A system for measuring temperature in the food industry
- To do with acid/alkaline balance
- Foods on which bacteria can thrive
- Ultimate responsibility in the food industry
- Metric system for measuring temperature
- Imperial system for measuring temperature
- Metric system for measuring temperature
- Degrees Celsius
- Degrees Fahrenheit
- Metric system for measuring temperature
- To do with acid/alkaline balance
- Foods on which bacteria can thrive
- Ultimate responsibility in the food industry
- Metric system for measuring temperature
- Imperial system for measuring temperature
- To do with acid/alkaline balance
- Foods on which bacteria can thrive
- Ultimate responsibility in the food industry
- Metric system for measuring temperature
<table>
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</tr>
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<td>Definition</td>
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</tr>
</tbody>
</table>

Canadian Food Inspection Agency
Hazard Analysis Critical Control Points
Sanitary Assessment of the Food Environment
<table>
<thead>
<tr>
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<td>OHSA</td>
<td>Occupational Health and Safety Act</td>
</tr>
<tr>
<td>CPR</td>
<td>cardiopulmonary resuscitation</td>
</tr>
</tbody>
</table>
## Recipe

**From the kitchen of**

### Purpose and Practice:

- Review 6 dishwashing steps in a commercial kitchen
- Practice working in a team sorting the steps in order

### Ingredients

<table>
<thead>
<tr>
<th>Page 62</th>
<th>Instructor prepares appropriate number of sets of the 6 steps by cutting out along the dotted lines.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 63</td>
<td>Shuffle each set so that the 6 steps are not in order</td>
</tr>
<tr>
<td></td>
<td>Distribute a complete (shuffled) set to each group (2 to 5 students per group)</td>
</tr>
<tr>
<td></td>
<td>Invite each group to work together (encouraging total participation) to sort the 6 steps in order.</td>
</tr>
<tr>
<td></td>
<td>Come together as a whole class to review the sort.</td>
</tr>
<tr>
<td></td>
<td>Provide each learner with a copy of the handout called “Dish and Equipment Cleanliness”</td>
</tr>
</tbody>
</table>

### Method

| Page 62 (handout – Dish and Equipment Cleanliness – 6 steps) | Page 63 (6 steps cut-outs color coded to make 5 sets) |

### Essential Skills being practiced

- Thinking Skills
- Working With Others
- Document Use
- Reading Text
- Oral Communication

### Cooking Time

30 minutes

### Tip:

Ask the learners to describe any experience that they may have had in the past washing dishes in a commercial kitchen. How do these steps compare with their own experiences.
DISH AND EQUIPMENT CLEANLINESS - STUDY SHEET

1. Dishwasher soaks cutlery and scrapes and rinses dishes
2. Dishwasher loads dishes and cutlery on dishwashing machine racks so that spray of water will reach all surfaces of each item.

Machine cleans items with a detergent in wash water

Machine sanitizes items with hot water rinse

Items are inspected after machine cycle is complete

Items are allowed to air dry then stored in a clean area

Essential Skills used:
Thinking Skills, Working with Others, Document Use (lists)
DISH AND EQUIPMENT CLEANLINESS - EXERCISE

Items are allowed to air dry then stored in a clean area.

Items are inspected after machine cycle is complete.

Machine sanitizes items with hot water rinse.

Machine cleans items with a detergent in wash water.

Dishwasher loads dishes and cutlery on dishwashing machine racks so that spray of water will reach all surfaces of each item.

Dishwasher soaks cutlery and scrapes and rinses dishes.
LESSON PLAN - TEMPERATURE DANGER ZONE - POCKET GUIDE AND POSTER

From the kitchen of FOOD SAFETY & SANITATION

**Purpose and Practice:**

- Review the importance of understanding the “Temperature Danger Zone”
- Provide the students with their own pocket guide to the Temperature Danger Zone
- Reinforce the saying: “Keep hot foods hot and cold foods cold”

**Ingredients**

- Page 65
  - (handout – pocket guide)
- Page 66
  - (small poster)
- Page 67
  - (large 11 x 17 poster)

**Method**

- Instructor prepares appropriate number of pocket guides and reviews the information
- Instructor prints 8 1/2 x 11 poster sizes and posts them strategically in the learning and industrial kitchen.
- Instructor prints 11 x 17 poster sizes and posts them strategically in the learning and industrial kitchen.

**Cooking Time**

15 minutes

**Essential Skills being practiced**

- Document Use
- Thinking Skills

**Tip:** Laminate the pocket guides for durability. Invite the students to use them as bookmarks.
The broad range of temperatures at which bacteria multiply rapidly:

- Between 4°C and 60°C (or 40°F and 140°F)

The temperature danger zone is:

- Freezer Temperature
- 0°C
- 4°C
- 8°C
- 10°C
- 12°C
- 14°C
- 16°C
- 18°C
- 20°C
- 22°C
- 24°C
- 26°C
- 28°C
- 30°C
- 32°C
- 34°C
- 36°C
- 38°C
- 40°C
- 42°C
- 44°C
- 46°C
- 48°C
- 50°C
- 52°C
- 54°C
- 56°C
- 58°C
- 60°C

LEGEND
- °F = Fahrenheit
- °C = Celsius
The broad range of temperatures at which bacteria multiply rapidly is between 4°C and 60°C or 40°F and 140°F. The temperature danger zone is:

- Between 4°C and 60°C (40°F and 140°F)
- 0°F (0°C) Freezer Temperature

Legend:
- °F = Fahrenheit
- °C = Celsius
The broad range of temperatures at which bacteria multiply rapidly is between 4°C Celsius and 60°C Celsius or 40°F Fahrenheit and 140°F Fahrenheit.
LESSON PLAN - PROPER HAND WASHING PROCEDURES - POCKET GUIDE AND POSTER

Purpose and Practice:

- Review the importance of practicing “Safe Hand Washing Procedures”
- Provide the students with their own pocket guide to “Safe Hand Washing Procedures”

Ingredients

- Page 69 (handout – pocket guide)
- Page 70 (small poster)
- Page 71 (large 11 x 17 poster)

Method

- Instructor prepares appropriate number of pocket guides and reviews the information
- Instructor prints 8 1/2 x 11 poster sizes and posts them strategically in the learning and industrial kitchen.
- Instructor prints 11 x 17 poster sizes and posts them strategically in the learning and industrial kitchen.

Cooking Time

15 minutes

Essential Skills being practiced

- Document Use
- Thinking Skills

Tip:

Laminate the pocket guides for durability. Invite the students to use them as bookmarks.
Apply soap
Rub hands and arms briskly with soapy lather for at least 20 seconds
Scrub between fingers and clean nails with a clean nail brush
Rinse thoroughly under hot running water
Use the towel to turn off the water and discard in the trash bin
Rinse again
Reapply soap and scrub hands and forearms for another 5 to 10 seconds
Dry hands and arms using a single-use towel
### Proper Hand Washing Procedures

1. **Use hot running water**
   Wet hands and forearms

2. **Apply soap**
   Rub hands and arms briskly with soapy lather for at least 20 seconds

3. **Scrub between fingers and clean nails with a clean nail brush**

4. **Rinse thoroughly under hot running water**

5. **Reapply soap and scrub hands and forearms for another 5 to 10 seconds**

6. **Rinse again**

7. **Dry hands and arms using a single-use towel**

8. **Use the towel to turn off the water**
   Discard the towel in a trash bin
Proper Hand Washing Procedures

1. Use hot running water
   Wet hands and forearms

2. Apply soap
   Rub hands and arms briskly with soapy lather for at least 20 seconds

3. Scrub between fingers and clean nails with a clean nail brush

4. Rinse thoroughly under hot running water

5. Reapply soap and scrub hands and forearms for another 5 to 10 seconds

6. Rinse again

7. Dry hands and arms using a single-use towel

8. Use the towel to turn off the water
   Discard the towel in a trash bin
Recipe

From the kitchen of

FOOD SAFETY & SANITATION

LESSON PLAN - SAFE BEHAVIOR ON THE JOB - FILL IN THE BLANKS

Purpose and Practice:

- Review the importance of understanding safe behaviour on the job
- Students will navigate through a poster and fill in the blanks
- Reinforce the importance of safety on the job and how to avoid accidents

Ingredients

Page 73
(posted 8 ½ x 11)
Page 74
(student handout – fill in the blanks)
Page 75
(instructor answer key)
Page 76
(large 11 x 17 poster)

Method

- Instructor provides each student with and 8 ½ x 11 poster of “Safe Behaviour on the Job” and reviews the information with the class
- Students use their handout to fill in the blanks using their poster
- Instructor prints 11 x 17 poster sizes and posts them strategically in the learning and industrial kitchen.

Cooking Time

30 - 40 minutes

Essential Skills being practiced

- Document Use
- Thinking Skills
- Writing
- Oral Communication

Tip:

Encourage discussion around safe practices on the job.... “think about the last job you had.... What kinds of safety measures were in place”
SAFE BEHAVIOUR ON THE JOB

- Clean up spills as soon as they occur
- Learn to operate equipment properly; always use guards and safety devices
- Wear clothing that fits properly; avoid wearing jewelry, which may get caught in equipment
- Use knives and other equipment for their intended purpose only
- Walk, do not run
- Keep exits, aisles and stairs clear and unobstructed
- Always assume a pot or pan is hot; handle with dry towels
- Position pot and pan handles out of the aisles so they do not get bumped
- Get help or use a cart when lifting or moving heavy objects
- Avoid back injury by lifting with your leg muscles; stoop, do not bend, when lifting
- Use a well placed ladder or stool for climbing; do not use a chair, box, drawer or shelf
- Keep breakable items away from food storage or production areas
- Warn people when you must walk behind them, especially when carrying a hot pan

SAFETY IS YOUR RESPONSIBILITY
THIS KITCHEN HAS WORKED
DAYS WITHOUT A LOST TIME INJURY
THE BEST PREVIOUS RECORD WAS
DAYS
DO YOUR PART TO BETTER THE RECORD

CAUTION
HOT!

WARNING
Do not use unless guards are in position!

DO NOT WEAR JEWELRY OR LOOSE CLOTHING WHEN OPERATING

BE CAREFUL
WALK! DON'T RUN

LADDER RULES
- Always face ladder when ascending or descending
- Use at least one hand to grasp ladder
- Top of ladder should never be used as a step
- Never carry an object or load that could cause you to lose your balance

HOW TO LIFT CORRECTLY
THE RIGHT WAY
- Legs bent, back kept as straight as possible, load gripped at opposite corners

THE WRONG WAY
- Legs straight, back bent, puts all the strain on the muscles of the back & abdomen

PICKUP
KEEP ALL AISLES CLEAN AND CLEAR OF OBSTRUCTIONS

PLEASE
SAFE BEHAVIOR ON THE JOB - FILL IN THE BLANKS

- Clean up ________ as soon as they occur
- Learn to operate equipment properly; always use ________ and safety devices
- Wear clothing that fits properly; avoid wearing ______________, which may get caught in equipment
- Use knives and other equipment for their intended ______________ only
- Walk, do not ________
- Keep exits, aisles and ____________ clear and unobstructed
- Always assume a pot or pan is _______; handle with dry towels
- Position pot and pan handles out of the aisles so they do not get _____________
- Get help or use a ________ when lifting or moving heavy objects
- Avoid back injury by lifting with your ______ muscles; stoop, do not bend, when lifting
- Use a well-placed ______________ or stool for climbing; do not use a chair, box, drawer or shelf
- Keep breakable items away from ____________ storage or production areas
- Warn people when you must walk behind them, especially when carrying a _____ pan
SAFE BEHAVIOR ON THE JOB - FILL IN THE BLANKS - ANSWERS

- Clean up **spills** as soon as they occur
- Learn to operate equipment properly; always use **guards** and safety devices
- Wear clothing that fits properly; avoid wearing **jewelry**, which may get caught in equipment
- Use knives and other equipment for their intended **purpose** only
- Walk, do not **run**
- Keep exits, aisles and **stairs** clear and unobstructed
- Always assume a pot or pan is **hot**; handle with dry towels
- Position pot and pan handles out of the aisles so they do not get **bumped**
- Get help or use a **cart** when lifting or moving heavy objects
- Avoid back injury by lifting with your **leg** muscles; stoop, do not bend, when lifting
- Use a well-placed **ladder** or stool for climbing; do not use a chair, box, drawer or shelf
- Keep breakable items away from **food** storage or production areas
- Warn people when you must walk behind them, especially when carrying a **hot** pan
SAFE BEHAVIOUR ON THE JOB - 11 X 17 POSTER

This poster can be found at

**SAFE BEHAVIOUR ON THE JOB**

- Clean up spills as soon as they occur
- Learn to operate equipment properly; always use guards and safety devices
- Wear clothing that fits properly; avoid wearing jewelry, which may get caught in equipment
- Walk, do not run
- Keep exits, aisles and stairs clear and unobstructed
- Always assume a pot or pan is hot; handle with dry towels
- Position pot and pan handles out of the aisles so they do not get bumped
- Get help or use a cart when lifting or moving heavy objects
- Use a well placed ladder or stool for climbing; do not use a chair, box, drawer or shelf
- Keep breakable items away from food storage or production areas
- Warn people when you must walk behind them, especially when carrying a hot pan

**SAFETY IS YOUR RESPONSIBILITY**

- **DAYS** WITHOUT A LOST TIME INJURY
- **THE BEST PREVIOUS RECORD WAS**
- **DAYS** DO YOUR PART TO BETTER THE RECORD

**SAFETY FIRST**

- CLEAN UP SPILLS
- DO NOT WEAR JEWELRY OR LOOSE CLOTHING WHEN OPERATING
- WORK CAREFULLY WITH KNIVES
- KEEP ALL AISLES CLEAN AND CLEAR OF OBSTRUCTIONS

**CAUTION HOT!**

- Avoid back injury by lifting with your leg muscles; stoop, do not bend, when lifting

**LADDER RULES**

- Always face ladder when ascending or descending
- Use at least one hand to grasp ladder
- Top cap ladders securely
- Inspect easily accessible sections for defects
- Keep ladders out of traffic areas
- Keep feet and hands dry

**PLEASE**

- Keep aisles clear and unobstructed

**HOW TO LIFT CORRECTLY**

- **THE RIGHT WAY**
  - Legs bent, back kept as straight as possible, load close to body, gripped at opposite corners
- **THE WRONG WAY**
  - Legs straight, back bent, puts all the strain on the muscles of the back & abdomen

**WARNING**

- Do not use unless guards are in position
- **DO NOT WEAR JEWELRY OR LOOSE CLOTHING WHEN OPERATING**

**FOOD SAFETY & SANITATION**

**SAFE BEHAVIOUR ON THE JOB**

- This kitchen has worked **XX DAYS** without a lost time injury
- The best previous record was **XX DAYS**

- Do your part to better the record

- Safety is your responsibility
**Recipe**

From the kitchen of **FOOD SAFETY & SANITATION**

### Purpose and Practice:
- Reading material previously studied in class and remembering what was learned

### Ingredients

<table>
<thead>
<tr>
<th>Page 78 (learners’ handout)</th>
<th>Page 79 (instructor’s answer key)</th>
</tr>
</thead>
</table>

### Method

- Instructor prepares appropriate number of “Safety Alert” handouts for the learners
- Individually, learners fill in the blanks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

### Cooking Time

10 - 15 minutes

### Essential Skills being practiced

- Reading Text
- Thinking Skills
- Writing
- Document Use

Tip:
SAFETY ALERT - EXERCISE

When working with or near foods there is always a concern for safety, whether it is physical safety (using knives and hot surfaces), or food safety (hot and cold temperatures). Use the following words to fill in the blanks in the sentences below.

<table>
<thead>
<tr>
<th>chemicals</th>
<th>originally</th>
<th>cleaners</th>
<th>properly</th>
</tr>
</thead>
</table>

1. Never store chemicals in a container that ________________ held food; never store food in a container that once held chemicals.

2. Never store cleaning supplies or other ________________ with or near foods.

3. Keep chemicals and ________________ in ________________ labelled containers.
SAFETY ALERT - EXERCISE ANSWERS

When working with or near foods there is always a concern for safety, whether it is physical safety (using knives and hot surfaces), or food safety (hot and cold temperatures). Use the following words to fill in the blanks in the sentences below.

<table>
<thead>
<tr>
<th>chemicals</th>
<th>originally</th>
<th>cleaners</th>
<th>properly</th>
</tr>
</thead>
</table>

1. Never store chemicals in a container that **originally** held food; never store food in a container that once held chemicals.

2. Never store cleaning supplies or other **chemicals** with or near foods.

3. Keep chemicals and **cleaners** in **properly** labelled containers.
LESSON PLAN - STANDARDS FOR TOOLS AND EQUIPMENT

Recipe

From the kitchen of

TOOLS & EQUIPMENT

**Purpose and Practice:**

- Review 6 standards for how well-designed tools and equipment benefit the overall efficiency and safety of the operation
- Practice working in a team in order to match up the best possible phrases

**Ingredients**

- Page 82 (handout 2 per page) – Standards for Tools and Equipment – 6 standards
- Pages 83 (5 sets color coded) of the 6 standards that have been separated into phrases cut-outs

**Method**

- Instructor makes appropriate number of handouts for the class
- Instructor prepares appropriate number of sets of the 6 standards by cutting out along the dotted lines, separating the sentences into phrases (12 cut outs per set)
- Shuffle each set so that the phrases are not in order
- Distribute a complete (shuffled) set to each group (2 to 5 students per group)
- Invite each group to work together (encouraging total participation) to match up the phrases
- Come together as a whole class to review the sort.
- Provide each learner with a copy of the handout called “Standards for Tools and Equipment”

**Essential Skills being practiced**

- Thinking Skills
- Working With Others
- Document Use
- Reading Text
- Oral Communication

**Tip:** If you notice that a group is struggling with matching up the phrases, tell them that the darker shaded pieces are the beginning of the sentence and the lighter shades pieces form the second part.
Standards for Tools & Equipment

Well-designed tools and equipment benefit the overall efficiency and safety of the operation.

1. Equipment must be easily cleaned.
2. All food contact surfaces must be nontoxic, non-absorbent, corrosion resistant and non-reactive.
3. All food contact surfaces must be smooth, that is, free of pits, cracks, crevices, ledges, rivet heads and bolts.
4. Internal corners and edges must be rounded and smooth; external corners and angles must be smooth and sealed.
5. Coating materials must be nontoxic and easily cleaned; coatings must resist chipping and cracking.
6. Waste and waste liquids must be easily removed.
<table>
<thead>
<tr>
<th>Waste and waste liquids must be easily removed.</th>
<th>Coating materials must be non-toxic and easily cleaned.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coatings must resist chipping and cracking.</td>
<td>Internal corners and edges must be rounded and smooth.</td>
</tr>
<tr>
<td>External corners and angles must be smooth and sealed.</td>
<td>All food contact surfaces must be smooth, that is, free of pits, cracks, crevices, ledges, rivets, heads and bolts.</td>
</tr>
<tr>
<td>All food contact surfaces must be non-toxic, non-absorbent, corrosion resistant, and non-reactive.</td>
<td></td>
</tr>
<tr>
<td>Equipment must be easily cleaned.</td>
<td></td>
</tr>
</tbody>
</table>

(cut phrases into strips, shuffle and have learners work in groups of 4 to match up phrases that make sentences. Make 5 sets each one a different color)
# LESSON PLAN - SELECTING TOOLS & EQUIPMENT - FILL IN THE BLANKS

**Recipe**

From the kitchen of

<table>
<thead>
<tr>
<th>TOOLS &amp; EQUIPMENT</th>
</tr>
</thead>
</table>

### Purpose and Practice:

- Reading material previously studied in class and remembering what was learned

### Ingredients

<table>
<thead>
<tr>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 85</td>
</tr>
<tr>
<td>(learners’ handout)</td>
</tr>
<tr>
<td>Page 86</td>
</tr>
<tr>
<td>(instructor’s answer key)</td>
</tr>
</tbody>
</table>

### Method

- Instructor prepares appropriate number of “Selecting Tools and Equipment” handouts for the learners
- Individually, learners fill in the banks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

### Essential Skills being practiced

- Reading Text
- Thinking Skills
- Writing
- Document Use

### Cooking Time

10 - 15 minutes
SELECTING TOOLS AND EQUIPMENT

In general, only commercial food service tools and equipment should be used in a professional kitchen. Household tools and appliances may not withstand the rigours of a professional kitchen.

Look for tools that are well constructed. For example, joints should be welded, not bonded with solder; handles should be comfortable, with rounded borders; plastic and rubber parts should be seamless.

Using the vocabulary words below, please fill in the blanks:

<table>
<thead>
<tr>
<th>professional</th>
<th>kitchen</th>
<th>appliances</th>
</tr>
</thead>
<tbody>
<tr>
<td>household</td>
<td>tools</td>
<td></td>
</tr>
</tbody>
</table>

In general, only commercial food service __________ and equipment should be used in a __________________ kitchen. __________________ tools and __________________ may not withstand the rigours of a professional __________________.

Using the vocabulary words below, please fill in the blanks:

<table>
<thead>
<tr>
<th>seamless</th>
<th>rounded</th>
<th>welded</th>
<th>constructed</th>
</tr>
</thead>
</table>

Look for tools that are well ________________________. For example, joints should be _____________, not bonded with solder; handles should be comfortable, with _____________ borders; plastic and rubber parts should be ________________.
SELECTING TOOLS AND EQUIPMENT - ANSWERS

In general, only commercial food service tools and equipment should be used in a professional kitchen. Household tools and appliances may not withstand the rigours of a professional kitchen.

Look for tools that are well constructed. For example, joints should be welded, not bonded with solder; handles should be comfortable, with rounded borders; plastic and rubber parts should be seamless.

Using the vocabulary words below, please fill in the blanks:

<table>
<thead>
<tr>
<th>professional</th>
<th>kitchen</th>
<th>appliances</th>
</tr>
</thead>
<tbody>
<tr>
<td>household</td>
<td>tools</td>
<td></td>
</tr>
</tbody>
</table>

In general, only commercial food service _______ tools and equipment _______ should be used in a _______ professional _______ kitchen. _______ household _______ tools and _______ appliances _______

may not withstand the rigours of a professional _______ kitchen _______.

Using the vocabulary words below, please fill in the blanks:

<table>
<thead>
<tr>
<th>seamless</th>
<th>rounded</th>
<th>welded</th>
<th>constructed</th>
</tr>
</thead>
</table>

Look for tools that are well _______ constructed _______. For example, joints should be _______ welded _______, not bonded with solder; handles should be comfortable, with _______ rounded _______ borders; plastic and rubber parts should be _______ seamless _______.
**Recipe**

From the kitchen of

### Purpose and Practice:

- Review names of tools and what they look like

---

### Ingredients

<table>
<thead>
<tr>
<th>Page 88</th>
</tr>
</thead>
<tbody>
<tr>
<td>(learners’ handout – pictures of hand tool names with space provided to write in the name of each tool)</td>
</tr>
</tbody>
</table>

| Page 89 |
| Learner and Instructor Answer Key |

---

### Method

- Instructor prepares copies of “Hand Tools” handouts for the learners (the page with images and blanks to fill in the name of the hand tool)
- Individually, learners fill in the blanks with the appropriate hand tool name
- Instructor reviews the answers with the class in a group setting, then provides them with the answer key as a reference.

---

### Essential Skills being practiced

- Reading Text
- Thinking Skills
- Writing
- Document Use

---

### Cooking Time

10 - 15 minutes

---

### Tools & Equipment

---
Hand tools are used for many things when in the kitchen. Although knives are considered the most important hand tool in the kitchen, there are many others such as spoons, spatulas, whisks, tongs and specialized cutters. Sturdiness, durability and safety are important words to look for when selecting hand tools. Look at the pictures below and identify the tools that are shown.
Perforated, Plain and Slotted Spoons

Vegetable Peeler

Melon Ball Cutter (The smaller end is also known as a Parisian Scoop)

Table-Mounted Can Opener

Balloon and French Wisks

Straight Tongs

Rubber Spatula

Meat Mallet

Chef’s Fork

Paletter Knife (Straight or Cake Spatula)

Grill Spatula
Recipe

LENS PLAN - METALS USED FOR KNIVES – THE TANG -
PARTS OF A KNIFE – KNIFE NAMES

From the kitchen of

Tools & Equipment

Purpose and Practice:

- Review the types of metals used for knives
- Review of the tang
- Practice naming the parts of a knife as well as knowing knife names

Ingredients

<table>
<thead>
<tr>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 91, handout</td>
</tr>
<tr>
<td>- Prepare copies of “Metals Used for Knives” and review with the learners</td>
</tr>
<tr>
<td>Page 92, handout</td>
</tr>
<tr>
<td>- Prepare copies of “The Tang-Study Card and Damascus steel knives” and review with the learners</td>
</tr>
<tr>
<td>Page 93, activity sheet</td>
</tr>
<tr>
<td>- Have learners complete the “Knife Shapes and Sharpening Equipment Part 1 (Parts of a knife) exercise by identifying the correct parts of a knife using the list of parts provided.</td>
</tr>
<tr>
<td>Page 94, handout</td>
</tr>
<tr>
<td>- Review answers with the class</td>
</tr>
<tr>
<td>Page 95, activity sheet</td>
</tr>
<tr>
<td>- Prepare copies of “Knife Shapes and Sharpening Equipment Part II – Knife Names” and review with the class</td>
</tr>
<tr>
<td>Page 96</td>
</tr>
<tr>
<td>- Prepare copies of the Knife Names exercise and have learners write in the correct name of the name according to its definition and picture.</td>
</tr>
<tr>
<td>Answer Key</td>
</tr>
<tr>
<td>- Review answers by using the answer key</td>
</tr>
</tbody>
</table>

Cooking Time

30 - 40 minutes

Essential Skills being practiced

- Document Use
- Reading Text
- Thinking Skills
- Writing

Tip:  
METALS USED FOR KNIVES

CARBON STEEL
- alloy of carbon and steel
- soft enough for easy sharpening
- corrodes and discolors easily
- not recommended for food service preparation

STAINLESS STEEL
- will not rust, corrode or discolor
- very durable
- harder to sharpen

HIGH CARBON STAINLESS STEEL
- combination of the best features of carbon and stainless steels
- doesn’t corrode or discolor
- sharpens easily
- most popular metal for blades

THE TANG
- a portion of the blade that fits inside the handle
- the best knives are made with a full tang running the length of the handle
- they also have a bolster where the blade meets the handle
- cheaper knives may have a ¾ length tang or a thin “rattail” tang
- a full tang is best because it provides support, durability and balance
**Parts of a Knife**

- **Tip**
- **Spine**
- **Cutting Edge**
- **Heel**
- **Bolster**
- **Rivets**
- **Tang**

**THE TANG**
- A portion of the blade that fits inside the handle
- The best knives are made with a full tang running the length of the handle
- They also have a bolster where the blade meets the handle
- Cheaper knives may have a ¾ length tang or a thin “rattail” tang
- A full tang is best because it provides support, durability and balance

---

**Damascus Steel Knives**

Damascus steel was a term used by several Western cultures from the Medieval period onward to describe a type of steel used in Middle Eastern swordmaking from about 1100 to 1700 AD. These swords are characterized by distinctive patterns of banding and mottling reminiscent of flowing water. Such blades were reputed to be not only tough and resistant to shattering, but capable of being honed to a sharp and resilient edge.
Use the list below to match the parts of the knife. Write the name of the part in the appropriate spot.

- Tip
- Spine
- Rivets
- Heel
- Bolster
- Cutting Edge
- Tang

PARTS OF A KNIFE - EXERCISE
Knife Shapes and Sharpening Equipment

You may collect many knives during your career and they may all be different, but the one thing that is constant is how it is made. The best knives are constructed from a single piece of metal with a full tang running the length of the handle. This provides support, durability and balance for the user. Handles should be shaped for comfort and ground smooth to eliminate any crevices where bacteria can grow.

French or Chef's Knife
Rigid 20- to 35-cm long blade is wide at the heel and tapers to a point at the tip.

Boning Knife
A smaller knife with a thin blade used to separate meat from the bone. Blade is usually 12.5- to 17.5-cm long and may be flexible or rigid.

Paring Knife
A short knife that is used for detail work or cutting fruits and vegetables. Rigid blade is 5- to 10-cm long.

Meat Cleaver
Large, heavy rectangular blade used for chopping or cutting through bones.

Utility Knife
Rigid 15- to 20-cm long blade is shaped like a chef’s knife but narrower.

Slicer
A knife with a long, thin blade used primarily for slicing cooked meat. A similar knife with a serrated edge is used for slicing bread or pastry items.

Butcher Knife
The rigid blade curve up in a 25-degree angle at the tip, this knife is used for fabricating raw meat and traipsing through the jungle.

Steel
Steel is used to hone or straighten a blade immediately after and between sharpening.

Vegetable Cleaver
Used as a chef knife in Asian cuisine. Lighter weight than a meat cleaver with a thin sharp blade.
KNIFE NAMES - EXERCISE

Knife Shapes and Sharpening Equipment

Using the descriptions below, identify and write the name of the knife of each corresponding picture.

- Rigid 20-to 35-cm long blade is wide at the heel and tapers to a point at the tip.
- A smaller knife with a thin blade used to separate meat from the bone. Blade is usually 12.5- to 17.5- cm long and may be flexible or rigid.
- A short knife that is used for detail work or cutting fruits and vegetables. Rigid blade is 5- to 10-cm long.
- Large, heavy rectangular blade used for chopping or cutting through bones.
- Rigid 15- to 20-cm long blade is shaped like a chef’s knife but narrower.
- A knife with a long, thin blade used primarily for slicing cooked meat. A similar knife with a serrated edge is used for slicing bread or pastry items.
- The rigid blade curve up in a 25-degree angle at the tip, this knife is used for fabricating raw meat and traipsing through the jungle.
- Steel is used to hone or straighten a blade immediately after and between sharpening.
- Used as a chef knife in Asian cuisine. Lighter weight than a meat cleaver with a thin sharp blade.
Using the descriptions below, identify and write the name of the knife of each corresponding picture.

- **French or Chef’s Knife**: Rigid 20-to 35-cm long blade is wide at the heel and tapers to a point at the tip.
- **Boning Knife**: A smaller knife with a thin blade used to separate meat from the bone. Blade is usually 12.5- to 17.5- cm long and may be flexible or rigid.
- **Paring Knife**: A short knife that is used for detail work or cutting fruits and vegetables. Rigid blade is 5- to 10-cm long.
- **Meat Cleaver**: Large, heavy rectangular blade used for chopping or cutting through bones.
- **Utility Knife**: Rigid 15- to 20-cm long blade is shaped like a chef’s knife but narrower.
- **Slicer**: A knife with a long, thin blade used primarily for slicing cooked meat. A similar knife with a serrated edge is used for slicing bread or pastry items.
- **Butcher Knife**: The rigid blade curve up in a 25- degree angle at the tip, this knife is used for fabricating raw meat and traipsing through the jungle.
- **Steel**: Steel is uses to hone or straighten a blade immediately after and between sharpening.
- **Vegetable Cleaver**: Used as a chef knife in Asian cuisine. Lighter weight than a meat cleaver with a thin sharp blade.
Recipe

From the kitchen of

LESSON PLAN - WORK SECTIONS & THEIR STATIONS

Purpose and Practice:

- To review the work areas in a commercial kitchen
- To work together to complete a task

Ingredients

Page 98
(handout “Work Sections and Their Stations”)

Method

- Make copies of the handout that describes 6 Sections and their Stations and review with the class
- Prepares appropriate number of sets of the “Work Sections and their Stations” cutting out the section images and stations along the dotted lines, into small cards for a picture/description match exercise
- Shuffle each set so that the images of the sections and the definition of the stations are not in order
- Distribute a complete (shuffled) set to each group (2 to 5 students per group)
- Invite each group to work together (encouraging total participation) to match up the section image to the station name
- Review the matches

Cooking Time

30 minutes

Essential Skills being practiced

✓ Thinking Skills
✓ Working With Others
✓ Document Use
✓ Oral Communication

Tip:

Have the teams get up and walk around to see what each other have selected as matches.
Work stations are a work area in the kitchen dedicated to a particular task, such as broiling or salad making; work stations using the same or similar equipment for related tasks are grouped together.

<table>
<thead>
<tr>
<th>Sections</th>
<th>Stations</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Entrée Section</strong></td>
<td>Broiler station</td>
</tr>
<tr>
<td></td>
<td>Sautéé/Sauce station</td>
</tr>
<tr>
<td><strong>Garde-manger section</strong></td>
<td>Salad greens cleaning</td>
</tr>
<tr>
<td></td>
<td>Salad preparation</td>
</tr>
<tr>
<td></td>
<td>Cold-foods preparation</td>
</tr>
<tr>
<td></td>
<td>Sandwich station</td>
</tr>
<tr>
<td></td>
<td>Showpiece preparation</td>
</tr>
<tr>
<td><strong>Bakery and Desserts section</strong></td>
<td>Dough holding and proofing</td>
</tr>
<tr>
<td></td>
<td>Dough rolling and forming</td>
</tr>
<tr>
<td></td>
<td>Baking and Cooling</td>
</tr>
<tr>
<td></td>
<td>Dessert preparation</td>
</tr>
<tr>
<td></td>
<td>Frozen dessert preparation</td>
</tr>
<tr>
<td></td>
<td>Plating desserts</td>
</tr>
<tr>
<td><strong>Banquet section</strong></td>
<td>Steam cooking</td>
</tr>
<tr>
<td></td>
<td>Holding and plating</td>
</tr>
<tr>
<td><strong>Short-order section</strong></td>
<td>Griddle station</td>
</tr>
<tr>
<td></td>
<td>Fry station</td>
</tr>
<tr>
<td><strong>Beverage section</strong></td>
<td>Hot-beverage station</td>
</tr>
<tr>
<td></td>
<td>Cold-beverage station</td>
</tr>
<tr>
<td></td>
<td>Alcoholic beverage station</td>
</tr>
</tbody>
</table>
WORK SECTIONS AND THEIR STATIONS - WORDMATCH

Match the station to the appropriate section:

**Entrée**
- Broiler station
- Sautee/Sauce station

**Garde-manger**
- Salad greens cleaning
- Salad preparation
- Cold-foods preparation
- Sandwich station
- Showpiece preparation

**Bakery and Desserts**
- Dough holding and proofing
- Dough rolling and forming
- Baking and Cooling
- Dessert preparation
- Frozen dessert preparation
- Plating desserts

**Banquet**
- Steam cooking
- Holding and plating

**Short-order**
- Griddle station
- Fry station

**Beverage**
- Hot-beverage station
- Cold-beverage station
- Alcoholic beverage station
**Recipe**

**LESSON PLAN - HEAT DISTRIBUTION - FILL IN THE BLANKS**

**From the kitchen of**

**TOOLS & EQUIPMENT**

**Purpose and Practice:**
- Reading material previously studied in class and remembering what was learned

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 101 (learners’ handout)</td>
<td>- Instructor prepares appropriate number of “Heat Distribution” handouts for the learners</td>
</tr>
<tr>
<td>Page 102 (instructor’s answer key)</td>
<td>- Individually, learners fill in the banks using the words provided to complete the passage.</td>
</tr>
<tr>
<td></td>
<td>- Instructor reviews the answers with the class in a group setting</td>
</tr>
</tbody>
</table>

**Cooking Time**
- 10 - 15 minutes

**Essential Skills being practiced**
- ✓ Reading Text
- ✓ Thinking Skills
- ✓ Writing
- ✓ Document Use
COOKWARE - HEAT DISTRIBUTION - EXERCISE

Please read the information below and fill in the blanks using the words provided here:

<table>
<thead>
<tr>
<th>thinner</th>
<th>conduct</th>
<th>gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>heat</td>
<td>cookware</td>
<td>hot spots</td>
</tr>
</tbody>
</table>

___________ that fails to distribute _______________ evenly may cause

______________ that burn foods. Because different metals

______________ heat at different rates, and thicker layers of metal conduct

heat more evenly than ________________ ones, the most important

considerations when choosing cookware are the type and thickness (known as the

______________) of the material used. No one cookware or material suits
every process or need, however; always select the most ________________

material for the task at hand.
COOKWARE - HEAT DISTRIBUTION - ANSWERS

Please read the information below and fill in the blanks using the words provided here:

<table>
<thead>
<tr>
<th>thinner</th>
<th>conduct</th>
<th>gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>heat</td>
<td>cookware</td>
<td>hot spots</td>
</tr>
</tbody>
</table>

**cooker** that fails to distribute **heat** evenly may cause **hot spots** that burn foods. Because different metals **conductor** heat at different rates, and thicker layers of metal conduct heat more evenly than **thinner** ones, the most important considerations when choosing cookware are the type and thickness (known as the **gauge**) of the material used. No one cookware or material suits every process or need, however; always select the most **appropriate** material for the task at hand.
### Recipe

**LESSON PLAN - COPPER COOKWARE - FILL IN THE BLANKS**

**From the kitchen of**

**TOOLS & EQUIPMENT**

### Purpose and Practice:

- Reading material previously studied in class and remembering what was learned

### Ingredients

<table>
<thead>
<tr>
<th>Page 104 (learners’ handout)</th>
<th>Page 105 (instructor’s answer key)</th>
</tr>
</thead>
</table>

### Method

- Instructor prepares appropriate number of “Copper Cookware” handouts for the learners
- Individually, learners fill in the banks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

### Cooking Time

10 - 15 minutes

### Essential Skills being practiced

- Reading Text
- Thinking Skills
- Writing
- Document Use
Copper is an excellent ___________________; it heats rapidly and evenly and cools __________________. Unlined copper pots are the best for cooking sugar and _____________ mixtures. Copper cookware is very ______________________.

It also requires a great deal of _______________ and is often quite heavy.

Because copper may react with some foods, copper cookware usually has a __________ lining, which is soft and easily scratched. Because of these problems, copper is often sandwiched between layers of __________________________ or aluminum in the __________________________ of pots and pans.
Copper is an excellent _____conductor_____; it heats rapidly and evenly and cools _____quickly____. Unlined copper pots are the best for cooking sugar and _____fruit_____ mixtures. Copper cookware is very _____expensive_____.

It also requires a great deal of _____care_____ and is often quite heavy.

Because copper may react with some foods, copper cookware usually has a _____tin_____ lining, which is soft and easily scratched. Because of these problems, copper is often sandwiched between layers of _____stainless steel_____ or aluminum in the _____bottom_____ of pots and pans.

<table>
<thead>
<tr>
<th>expensive</th>
<th>tin</th>
<th>quickly</th>
<th>conductor</th>
</tr>
</thead>
<tbody>
<tr>
<td>care</td>
<td>bottom</td>
<td>stainless steel</td>
<td>fruit</td>
</tr>
</tbody>
</table>
Recipe

From the kitchen of

LESSON PLAN - ALUMINUM COOKWARE - FILL IN THE BLANKS

Purpose and Practice:

- Reading material previously studied in class and remembering what was learned

Ingredients

<table>
<thead>
<tr>
<th>Page 107 (learners’ handout)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 108 (instructor’s answer key)</td>
</tr>
</tbody>
</table>

Method

- Instructor prepares appropriate number of “Aluminum Cookware” handouts for the learners
- Individually, learners fill in the blanks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

Cooking Time

10 - 15 minutes

Essential Skills being practiced

- Reading Text
- Thinking Skills
- Writing
- Document Use

Tip:
COOKWARE - ALUMINUM EXERCISE

Please read the information below and fill in the blanks using the words provided here:

<table>
<thead>
<tr>
<th>acidic foods</th>
<th>soft</th>
<th>metal whisk</th>
<th>commercial</th>
<th>discolored</th>
<th>storage</th>
<th>sticking</th>
</tr>
</thead>
</table>

Aluminum is the metal used most commonly in ____________ utensils. It is light-weight and, after copper, conducts heat best. Aluminum is a ____________ metal, so it should be treated with care to avoid dents. Do not use aluminum containers for ____________ or for cooking __________________________ because the metal reacts chemically with many foods. Light-colored foods, such as soups or sauces may be _______________________ when cooked in aluminum, especially if stirred with a ____________ or spoon. Anodized aluminum has a hard, dark, corrosion-resistant surface that helps prevent ___________________ and discoloration.
Aluminum is the metal used most commonly in ____________ utensils. It is light-weight and, after copper, conducts heat best. Aluminum is a ___________ metal, so it should be treated with care to avoid dents. Do not use aluminum containers for ___________ or for cooking ________________ because the metal reacts chemically with many foods. Light-colored foods, such as soups or sauces may be ________________ when cooked in aluminum, especially if stirred with a _______________ or spoon. Anodized aluminum has a hard, dark, corrosion-resistant surface that helps prevent ________________ and discoloration.

<table>
<thead>
<tr>
<th>acidic foods</th>
<th>soft</th>
<th>metal whisk</th>
</tr>
</thead>
<tbody>
<tr>
<td>commercial</td>
<td>discolored</td>
<td>storage</td>
</tr>
<tr>
<td>storage</td>
<td>acidic foods</td>
<td>sticking</td>
</tr>
</tbody>
</table>
## Purpose and Practice:

- Reading material previously studied in class and remembering what was learned

### Ingredients

<table>
<thead>
<tr>
<th>Page 110</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>(learners’ handout)</td>
<td>• Instructor prepares appropriate number of “Stainless Steel Cookware” handouts for the learners</td>
</tr>
<tr>
<td></td>
<td>• Individually, learners fill in the blanks using the words provided to complete the passage.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page 111</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>(instructor’s answer key)</td>
<td>• Instructor reviews the answers with the class in a group setting</td>
</tr>
</tbody>
</table>

### Cooking Time

10 - 15 minutes

### Essential Skills being practiced

- ✓ Reading Text
- ✓ Thinking Skills
- ✓ Writing
- ✓ Document Use
COOKWARE - STAINLESS STEEL EXERCISE

Please read the information below and fill in the blanks using the words provided here:

Although stainless steel conducts and retains heat poorly, it is a __________, durable metal and very useful for holding foods and ____________________________ cooking where hot spots and scorching are not problems. Stainless steel pots and pans are available with ____________________ or copper bonded to the bottom or with an aluminum layered ________.

Even though this special type of stainless steel cookware is expensive it combines the rapid, uniform ______________ conductivity of copper and aluminum with the strength, ___________________ and nonreactivity of stainless steel.

Stainless steel is also ideal for____________________ containers because it does not ________ with foods.
Although stainless steel conducts and retains heat poorly, it is a \textbf{hard}, durable metal and very useful for holding foods and \textbf{low-temperature} cooking where hot spots and scorching are not problems. Stainless steel pots and pans are available with \textbf{aluminum} or copper bonded to the bottom or with an aluminum layered \textbf{core}.

Even though this special type of stainless steel cookware is expensive it combines the rapid, uniform \textbf{heat} conductivity of copper and aluminum with the strength, \textbf{durability} and nonreactivity of stainless steel.

Stainless steel is also ideal for \textbf{storage} containers because it does not \textbf{react} with foods.


## Purpose and Practice:
- Reading material previously studied in class and remembering what was learned

### Ingredients
- Page 113
  - (learners’ handout)
- Page 114
  - (instructor’s answer key)

### Method
- Instructor prepares appropriate number of “Cast Iron Cookware” handouts for the learners
- Individually, learners fill in the blanks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

### Cooking Time
- 10 - 15 minutes

### Essential Skills being practiced
- Reading Text
- Thinking Skills
- Writing
- Document Use
CAST IRON EXERCISE

Please read the information below and fill in the blanks using the words provided here:

<table>
<thead>
<tr>
<th>conditioned</th>
<th>heavy</th>
<th>holds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>rust</td>
<td></td>
<td>griddles</td>
</tr>
</tbody>
</table>

Cast iron cookware distributes heat evenly and ____________ high temperatures well. It is often used in ________________ and large skillets. Although relatively inexpensive, cast iron is extremely ____________ and brittle. It must be kept properly ________________ and dry to prevent ____________ and pitting.
Please read the information below and fill in the blanks using the words provided here:

<table>
<thead>
<tr>
<th>conditioned</th>
<th>heavy</th>
<th>holds</th>
<th>rust</th>
<th>griddles</th>
</tr>
</thead>
</table>

Cast iron cookware distributes heat evenly and **holds** high temperatures well. It is often used in **griddles** and large skillets. Although relatively inexpensive, cast iron is extremely **heavy** and brittle. It must be kept properly **conditioned** and dry to prevent **rust** and pitting.
**Recipe**

---

**LESSON PLAN - GLASS COOKWARE - FILL IN THE BLANKS**

**From the kitchen of**  

---

**Purpose and Practice:**

- Reading material previously studied in class and remembering what was learned

---

**Ingredients**

| Page 116  
| **(learners’ handout)** |

**Method**

- Instructor prepares appropriate number of “Glass Cookware” handouts for the learners
- Individually, learners fill in the banks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

---

**Cooking Time**

- 10 - 15 minutes

---

**Essential Skills being practiced**

- ✔ Reading Text
- ✔ Thinking Skills
- ✔ Writing
- ✔ Document Use

---

**Tip:**

---
Glass retains _________ well but conducts it poorly. It does not _________ well with foods. Tempered glass is suitable for ________________ cooking, provided it does not have any _____________ band or decoration. Commercial operations rarely use glass cookware because of the danger of ___________.

<table>
<thead>
<tr>
<th>microwave</th>
<th>breakage</th>
<th>heat</th>
</tr>
</thead>
<tbody>
<tr>
<td>react</td>
<td>metal</td>
<td></td>
</tr>
</tbody>
</table>
Please read the information below and fill in the blanks using the words provided here:

<table>
<thead>
<tr>
<th>microwave</th>
<th>breakage</th>
<th>heat</th>
</tr>
</thead>
<tbody>
<tr>
<td>react</td>
<td>metal</td>
<td></td>
</tr>
</tbody>
</table>

Glass retains ______heat____ well but conducts it poorly. It does not ______react____ well with foods. Tempered glass is suitable for ______microwave____ cooking, provided it does not have any ______metal____ band or decoration. Commercial operations rarely use glass cookware because of the danger of ______breakage____.
LESSON PLAN - CERAMIC COOKWARE - FILL IN THE BLANKS

Recipe

From the kitchen of

TOOLS & EQUIPMENT

Purpose and Practice:

- Reading material previously studied in class and remembering what was learned

Ingredients

<table>
<thead>
<tr>
<th>Page 119 (learners’ handout)</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instructor prepares appropriate number of “Ceramic Cookware” handouts for the learners.</td>
<td></td>
</tr>
<tr>
<td>Individually, learners fill in the blanks using the words provided to complete the passage.</td>
<td></td>
</tr>
<tr>
<td>Instructor reviews the answers with the class in a group setting.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page 120 (instructor’s answer key)</th>
</tr>
</thead>
</table>

Method

Cooking Time

10 - 15 minutes

Essential Skills being practiced

- Reading Text
- Thinking Skills
- Writing
- Document Use

Tip:
Ceramics, including earthenware, porcelain and stoneware, are used primarily for baking dishes, **microwave oven** and baking stones because they conduct heat uniformly and **retain** temperatures well. Ceramics are nonreactive, inexpensive and generally suitable for use in a **microwave oven** (provided there is no metal in the glaze). Ceramics are easily chipped or **casseroles**, and should not be used over a direct **flame**. Quick **temperature** changes may cause the cookware to crack or shatter.
Ceramics, including earthenware, porcelain and stoneware, are used primarily for baking dishes, casseroles and baking stones because they conduct heat uniformly and retain temperatures well. Ceramics are nonreactive, inexpensive and generally suitable for use in a microwave oven (provided there is no metal in the glaze). Ceramics are easily chipped or cracked, and should not be used over a direct flame. Quick temperature changes may cause the cookware to crack or shatter.
Recipe

LESSON PLAN - PLASTIC WARE - FILL IN THE BLANKS

Purpose and Practice:
- Reading material previously studied in class and remembering what was learned

Ingredients
- Page 122 (learners’ handout)
- Page 123 (instructor’s answer key)

Method
- Instructor prepares appropriate number of “Plastic Ware” handouts for the learners
- Individually, learners fill in the banks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

Cooking Time
10 - 15 minutes

Essential Skills being practiced
- Reading Text
- Thinking Skills
- Writing
- Document Use

Tip:
Plastic containers are frequently used in commercial kitchens for _____________ or service, but they can’t be used for _______________ or cooking except in a _________________. Plastic microwave cookware is made of phenolic _______________. It is easy to clean, fairly ______________ and sturdy, but its glasslike structure is brittle and it can ___________ or shatter.
Please read the information below and fill in the blanks using the words provided here:

<table>
<thead>
<tr>
<th>resin</th>
<th>food storage</th>
<th>crack</th>
</tr>
</thead>
<tbody>
<tr>
<td>microwave</td>
<td>inexpensive</td>
<td>heating</td>
</tr>
</tbody>
</table>

Plastic containers are frequently used in commercial kitchens for **food storage** or service, but they can’t be used for **heating** or cooking except in a **microwave**. Plastic microwave cookware is made of phenolic **resin**. It is easy to clean, fairly **inexpensive** and sturdy, but its glasslike structure is brittle and it can **crack** or shatter.
Lesson Plan - Enamel Cookware - Fill in the Blanks

Purpose and Practice:

- Reading material previously studied in class and remembering what was learned

Ingredients

Page 125 (learners’ handout)
Page 126 (instructor’s answer key)

Method

- Instructor prepares appropriate number of “Enamel Cookware” handouts for the learners
- Individually, learners fill in the banks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

Cooking Time

10 - 15 minutes

Essential Skills being practiced

- Reading Text
- Thinking Skills
- Writing
- Document Use

Tip:

- From the kitchen of
- Tools & Equipment

Recipe
COOKWARE - ENAMEL EXERCISE

Please read the information below and fill in the blanks using the words provided here:

<table>
<thead>
<tr>
<th>bacteria</th>
<th>prohibited</th>
<th>crack</th>
</tr>
</thead>
<tbody>
<tr>
<td>cooking</td>
<td>food poisoning</td>
<td></td>
</tr>
</tbody>
</table>

Pans lined with enamel should not be used for ___________; in many areas, their use in commercial kitchens is __________________ by law. The enamel can chip or __________ easily, providing good places for _____________ to grow.

Also, the chemicals used to bond the enamel to the cookware can cause ________________ if ingested.
<table>
<thead>
<tr>
<th></th>
<th>bacteria</th>
<th>prohibited</th>
<th>crack</th>
</tr>
</thead>
<tbody>
<tr>
<td>cooking</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>food poisoning</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Pans lined with enamel should not be used for **cooking**; in many areas, their use in commercial kitchens is **prohibited** by law. The enamel can chip or **crack** easily, providing good places for **bacteria** to grow.

Also, the chemicals used to bond the enamel to the cookware can cause **food poisoning** if ingested.
EGGS & BREAKFAST COOKERY
LESSON PLAN - COMPOSITION OF EGGS

From the kitchen of EGGS & BREAKFAST COOKERY

Purpose and Practice:

- To review information about eggs.

Ingredients

- Page129 handout called “Composition of Eggs Exercise”
- Page130 handout called “Composition of Eggs Answers”

Method

- (students will have already studied the Eggs and Breakfast Cookery Learning Guide)
- Instructor makes appropriate number of handouts for the class
- Instructor hands out “the exercise” sheet and asks the students to fill in the answer.
- Review answers with handout sheet called “Answers”
- Come together as a whole class to review the answers.

Cooking Time

- 20 minutes

Essential Skills being practiced

- Thinking Skills
- Document Use
- Oral Communication
- Writing

Tip: Students can make self-study cards by cutting the information into strips and folding them over.
COMPOSITION OF EGGS - EXERCISE

What are the 3 basic parts to an egg?

True or false? Brown eggs are better than white eggs.

Why should eggs be stored away from strong smelling products like onions?

Name 2 nutritional qualities of an egg?

Where is all the fat found in an egg?

How can you tell that an egg is stale?
### COMPOSITION OF EGGS - ANSWERS

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>What are the 3 basic parts to an egg?</td>
<td>The shell, the yolk and the egg white.</td>
</tr>
<tr>
<td>True or false? Brown eggs are better than white eggs.</td>
<td>False</td>
</tr>
<tr>
<td>Why should eggs be stored away from strong smelling products like onions?</td>
<td>Because the porous shell or “skin” absorbs odors.</td>
</tr>
<tr>
<td>Name 2 nutritional qualities of an egg?</td>
<td>Good source of protein, iron, vitamin A, Vitamin D and phosphorous.</td>
</tr>
<tr>
<td>Where is all the fat found in an egg?</td>
<td>In the egg yolk</td>
</tr>
<tr>
<td>How can you tell that an egg is stale?</td>
<td>The egg loses its transparency and it spreads over a larger area when cracked open.</td>
</tr>
</tbody>
</table>
LESSON PLAN - GRADING EGGS

From the kitchen of EGGS & BREAKFAST COOKERY

Purpose and Practice:

- To review about the egg grading system in Canada

Ingredients

<table>
<thead>
<tr>
<th>Page 132</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>handout called “Grading Eggs - Exercise”</td>
<td>(students will have already studied the Eggs and Breakfast Cookery Learning Guide)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page 133</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>handout called “Grading Eggs - Answers”</td>
<td>Instructor makes appropriate number of handouts for the class</td>
</tr>
<tr>
<td></td>
<td>Instructor hands out “the exercise” sheet and asks the students to fill in the answer.</td>
</tr>
<tr>
<td></td>
<td>Review answers with handout sheet called “Grading Eggs - Answers”</td>
</tr>
<tr>
<td></td>
<td>Come together as a whole class to review the answers.</td>
</tr>
</tbody>
</table>

Cooking Time

- 20 minutes

Essential Skills being practiced

- Thinking Skills
- Document Use
- Oral Communication
- Writing

Tip:

Students can make self-study cards by cutting the information into strips and folding them over.
## GRADING EGGS - EXERCISE

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Canada, eggs are graded as ____, _____, and ____.</td>
<td></td>
</tr>
<tr>
<td>What does “candling” mean?</td>
<td></td>
</tr>
<tr>
<td>In Canadian retail stores, what kind of symbol goes on all cartons of grades A and B eggs?</td>
<td></td>
</tr>
<tr>
<td>Which grade eggs are not sold in stores?</td>
<td></td>
</tr>
<tr>
<td>Only this grade egg is graded into size.</td>
<td></td>
</tr>
<tr>
<td>What are some qualities of a grade A egg?</td>
<td></td>
</tr>
<tr>
<td>How are grade B eggs normally used?</td>
<td></td>
</tr>
<tr>
<td>How is a grade A egg different from a grade B egg?</td>
<td></td>
</tr>
<tr>
<td><strong>GRADING EGGS - ANSWERS</strong></td>
<td></td>
</tr>
<tr>
<td>---------------------------</td>
<td>--</td>
</tr>
<tr>
<td><strong>In Canada, eggs are graded as ___, ___, and _____.</strong></td>
<td><strong>A, B, and C.</strong></td>
</tr>
<tr>
<td><strong>What does “candling” mean?</strong></td>
<td><strong>The inspection of an egg by high intensity light to check quality of yolk and white.</strong></td>
</tr>
<tr>
<td><strong>In Canadian retail stores, what kind of symbol goes on all cartons of grades A and B eggs?</strong></td>
<td><strong>Maple Leaf</strong></td>
</tr>
<tr>
<td><strong>Which grade eggs are not sold in stores?</strong></td>
<td><strong>C</strong></td>
</tr>
<tr>
<td><strong>Only this grade egg is graded into size.</strong></td>
<td><strong>A</strong></td>
</tr>
<tr>
<td><strong>What are some qualities of a grade A egg?</strong></td>
<td><strong>All-purpose use especially where appearance is important like frying and poaching.</strong></td>
</tr>
<tr>
<td><strong>How are grade B eggs normally used?</strong></td>
<td><strong>For general cooking and baking where appearance is not so important</strong></td>
</tr>
</tbody>
</table>
| **How is a grade A egg different from a grade B egg?** | **Grade A – normal shape, excellent interior**  
**Grade B – abnormal shape, yolks are oblong** |
LESSON PLAN - STORING EGGS

From the kitchen of

EGGS & BREAKFAST COOKERY

Purpose and Practice:

- To review information about egg storage.

Ingredients

| Page 135 handout called “Storing Eggs - Exercise” |

Method

- (students will have already studied the Eggs and Breakfast Cookery Learning Guide)
- Instructor makes appropriate number of handouts for the class
- Instructor hands out “the exercise” sheet and asks the students to fill in the answer.
- Review answers with handout sheet called “Storing Eggs - Answers”
- Come together as a whole class to review the answers.

Cooking Time

- 20 minutes

Essential Skills being practiced

- Thinking Skills
- Document Use
- Oral Communication
- Writing

Tip:

Students can make self-study cards by cutting the information into strips and folding them over.
## STORING EGGS - EXERCISE

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>What does CCP stand for and mean when storing eggs?</td>
<td></td>
</tr>
<tr>
<td>How long can eggs last if stored at a temperature of 2-4°C (35°C-40°F) and away from strong odors?</td>
<td></td>
</tr>
<tr>
<td>How can you make egg yolks last up to 3 days?</td>
<td></td>
</tr>
<tr>
<td>Before freezing egg yolks, what must you do?</td>
<td></td>
</tr>
<tr>
<td>If egg whites are tightly covered, how long will they last in the fridge?</td>
<td></td>
</tr>
<tr>
<td>Name 2 facts about Canada grade C eggs.</td>
<td></td>
</tr>
<tr>
<td>Question</td>
<td>Answer</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>What does CCP stand for and mean when storing eggs?</td>
<td>Critical Control Point – keeps eggs at 4°C/40°F or colder. Safe temperature for refrigerated storage.</td>
</tr>
<tr>
<td>How long can eggs last if stored at a temperature of 2-4°C (35°F-40°F) and away from strong odors?</td>
<td>Several months</td>
</tr>
<tr>
<td>How can you make egg yolks last up to 3 days?</td>
<td>Cover with water inside a tightly sealed container.</td>
</tr>
<tr>
<td>Before freezing egg yolks, what must you do?</td>
<td>Add salt and sugar</td>
</tr>
<tr>
<td>If egg whites are tightly covered, how long will they last in the fridge?</td>
<td>Up to one week</td>
</tr>
<tr>
<td>Name 2 facts about Canada grade C eggs.</td>
<td>Not sold to the public or food industry. No specific size or shape.</td>
</tr>
<tr>
<td></td>
<td>Usually processed into commercially frozen, liquid and dried egg products.</td>
</tr>
</tbody>
</table>
**Recipe**

From the kitchen of **EGGS & BREAKFAST COOKERY**

**Purpose and Practice:**
- To review information about eggs.

---

### Ingredients

<table>
<thead>
<tr>
<th>Page 138 handout called</th>
<th>Page 139 handout called</th>
</tr>
</thead>
<tbody>
<tr>
<td>“More about Eggs - Exercise”</td>
<td>“More about Eggs - Answers”</td>
</tr>
</tbody>
</table>

### Method

- (students will have already studied the Eggs and Breakfast Cookery Learning Guide)
- Instructor makes appropriate number of handouts for the class
- Instructor hands out “the exercise” sheet and asks the students to fill in the answer.
- Review answers with handout sheet called “More about Eggs - Answers”
- Come together as a whole class to review the answers.

### Essential Skills being practiced

- Thinking Skills
- Document Use
- Oral Communication
- Writing

**Cooking Time**: 20 minutes

**Tip**: Students can make self-study cards by cutting the information into strips and folding them over.
### MORE ABOUT EGGS! - EXERCISE

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>What size eggs are usually used in a recipe?</td>
<td></td>
</tr>
<tr>
<td>What is a reconstituted egg?</td>
<td></td>
</tr>
<tr>
<td>What is another word for dehydrated eggs?</td>
<td></td>
</tr>
<tr>
<td>How long can reconstituted eggs stand unused?</td>
<td></td>
</tr>
<tr>
<td>Once frozen eggs are thawed, up to how long can they be left thawed before using?</td>
<td></td>
</tr>
<tr>
<td>Which part of the egg is used to clarify clear soups?</td>
<td></td>
</tr>
<tr>
<td>Which part of the egg is used as an emulsifier to make a smooth butter sauce?</td>
<td></td>
</tr>
<tr>
<td>How can eggs be used as a glaze?</td>
<td></td>
</tr>
<tr>
<td>How would I use eggs for breading?</td>
<td></td>
</tr>
<tr>
<td>Question</td>
<td>Answer</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>-----------------------------------------------------</td>
</tr>
<tr>
<td>What size eggs are usually used in a recipe?</td>
<td>Large size</td>
</tr>
<tr>
<td>What is a reconstituted egg?</td>
<td>Usually dried, frozen, shelled and egg mixes.</td>
</tr>
<tr>
<td>What is another word for dehydrated eggs?</td>
<td>Dried or powdered</td>
</tr>
<tr>
<td>How long can reconstituted eggs stand unused?</td>
<td>No more than 1 hour</td>
</tr>
<tr>
<td>Once frozen eggs are thawed, up to how long can they be left thawed before using?</td>
<td>A few hours</td>
</tr>
<tr>
<td>Which part of the egg is used to clarify clear soups?</td>
<td>The egg white</td>
</tr>
<tr>
<td>Which part of the egg is used as an emulsifier to make a smooth butter sauce?</td>
<td>The egg yolk</td>
</tr>
<tr>
<td>How can eggs be used as a glaze?</td>
<td>Brushed on foods</td>
</tr>
<tr>
<td>How would I use eggs for breading?</td>
<td>Mix with water, milk or cream</td>
</tr>
</tbody>
</table>
LESSON PLAN - METHODS OF COOKING EGGS - A

Purpose and Practice:

- To review the methods of cooking eggs.

Ingredients

<table>
<thead>
<tr>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 141 handout called “Method of cooking Eggs - Exercise”</td>
</tr>
<tr>
<td>Page 142 handout called “Method of cooking Eggs - Answers”</td>
</tr>
</tbody>
</table>

Method

- (students will have already studied the Eggs and Breakfast Cookery Learning Guide)
- Instructor makes appropriate number of handouts for the class
- Instructor hands out “the exercise” sheet and asks the students to fill in the answer.
- Review answers with handout sheet called “Method of Cooking Eggs - Answers”
- Come together as a whole class to review the answers.

Cooking Time

20 minutes

Essential Skills being practiced

- Thinking Skills
- Document Use
- Oral Communication
- Writing

Tip:

Students can make self-study cards by cutting the information into strips and folding them over.
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name 4 basic methods of cooking eggs.</td>
<td></td>
</tr>
<tr>
<td>What is another word for a simmered egg?</td>
<td></td>
</tr>
<tr>
<td>How do you poach an egg?</td>
<td></td>
</tr>
<tr>
<td>How do you cool a hard cooked egg quickly?</td>
<td></td>
</tr>
<tr>
<td>How long can hard, cooled, peeled eggs last in the refrigerator?</td>
<td></td>
</tr>
<tr>
<td>If an egg cracks while cooking in its shell, what can I do to stop it from leaking?</td>
<td></td>
</tr>
</tbody>
</table>
### METHODS OF COOKING EGGS - A - ANSWERS

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name 4 basic methods of cooking eggs.</td>
<td>Simmering, frying, poaching, scrambling.</td>
</tr>
<tr>
<td>What is another word for a simmered egg?</td>
<td>Boiled</td>
</tr>
<tr>
<td>How do you poach an egg?</td>
<td>Crack into a bowl, slide into barely simmering water (not boiling), add a touch of vinegar.</td>
</tr>
<tr>
<td>How do you cool a hard cooked egg quickly?</td>
<td>Run cold water over them</td>
</tr>
<tr>
<td>How long can hard, cooled, peeled eggs last in the refrigerator?</td>
<td>2 to 3 days</td>
</tr>
<tr>
<td>If an egg cracks while cooking in its shell, what can I do to stop it from leaking?</td>
<td>Add vinegar to the water</td>
</tr>
</tbody>
</table>
### Purpose and Practice:
- To review the methods of cooking eggs.

#### Ingredients

<table>
<thead>
<tr>
<th>Page 141</th>
<th>handout called</th>
<th>“Method of cooking Eggs - Exercise”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 142</td>
<td>handout called</td>
<td>“Method of cooking Eggs - Answers”</td>
</tr>
</tbody>
</table>

#### Method
- (students will have already studied the Eggs and Breakfast Cookery Learning Guide)
- Instructor makes appropriate number of handouts for the class
- Instructor hands out “the exercise” sheet and asks the students to fill in the answer.
- Review answers with handout sheet called “Method of Cooking Eggs - Answers”
- Come together as a whole class to review the answers.

#### Essential Skills being practiced
- Thinking Skills
- Document Use
- Oral Communication
- Writing

#### Cooking Time
- 20 minutes

#### Tip:
Students can make self-study cards by cutting the information into strips and folding them over.
METHODS OF COOKING EGGS - B

1. When should I use eggs that are cracked in shipping or in storage?
   
2. What are shirred eggs?
   
3. What are the small dishes used for shirring eggs called?
   
4. If I mixed eggs and seasonings in a stainless steel bowl and poured the mixture into melted butter in a heated pan, then stirred the mixture until it coagulated, what would I be making?
   
5. Over what type of heat do I scramble eggs?
   
6. When should I turn out scrambled eggs?
## METHODS OF COOKING EGGS - B - ANSWERS

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>When should I use eggs that are cracked in shipping or in storage?</td>
<td>Never!</td>
</tr>
<tr>
<td>What are shirred eggs?</td>
<td>Eggs baked in small dishes until yolks are glazed over</td>
</tr>
<tr>
<td>What are the small dishes used for shirring eggs called?</td>
<td>Ramekins</td>
</tr>
<tr>
<td>If I mixed eggs and seasonings in a stainless steel bowl and poured the mixture into melted butter in a heated pan, then stirred the mixture until it coagulated, what would I be making?</td>
<td>Scrambled eggs</td>
</tr>
<tr>
<td>Over what type of heat do I scramble eggs?</td>
<td>Low</td>
</tr>
<tr>
<td>When should I turn out scrambled eggs?</td>
<td>Before they turn brown</td>
</tr>
</tbody>
</table>
LESSON PLAN - BACON AND EGGS

From the kitchen of EGGS & BREAKFAST COOKERY

- Purpose and Practice:
  - To review what was learned about eggs in an interactive manner.

- Ingredients
  - Study cards created from previous exercise
  - Page 147
  - 4 Bacon and Eggs game boards (includes game board, team tokens and die)

- Method
  - Groups: up to 4 players per group
  - Instructor explains that “Bacon and Eggs” is a game similar to “Snakes and Ladders” but with a cooking theme.
  - Instructor asks players to put their game boards together and pick their team token. (each player will have a different team). Players also lay out the game cards in piles by category to the side of the board for easy access by all. Roll the die to see which team will be starting first. The team that rolls the highest die starts first.
  - To start: One team member rolls die and starts at the square marked 1. If you land on a square with an end piece of bacon on it you slide up the bacon to the square it ends on. If you land on a square with eggs on it, you move down the board to the end of the arrow.
  - If you land on a “regular” spot, decide which category of Egg question you would like to answer and the other team will ask you. Place that question card at the bottom of the category pile and continue the game.
  - Continuing this way, teams will proceed to move along the board toward the end till one team reaches 100 and is declared the winner. You may only reach the end by rolling the exact number that it would take to get there.
  - Goal: To answer as many questions as you can before a team player reaches the end.

- Cooking Time
  - 20 minutes and up

- Essential Skills being practiced
  - Thinking Skills
  - Document Use
  - Oral Communication

Tip:
Bacon & Eggs Boardgame

Game pieces
# Recipe

## Purpose and Practice:

- To review 6 different sizes of eggs.

## Ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Method</th>
</tr>
</thead>
</table>
| Page 149 called “Egg Sizes” (1 sheet = 4 handouts) | - Instructor copies and cuts handouts for the class.  
- Instructor gives a handout to each student.  
- Students review information together or on their own |

## Cooking Time

- 10 minutes

## Essential Skills being practiced

- Thinking Skills
- Document Use

## Tip:

---
**LESSON PLAN - PARTS OF AN EGG**

**Recipe**

From the kitchen of **EGGS & BREAKFAST COOKERY**

---

**Purpose and Practice:**

- To be able to identify the parts of an egg.

---

**Ingredients**

- Page 151 handout called “The Parts of an Egg - Exercise”
- Page 152 handout called “The Parts of an Egg - Answers”

**Method**

- (students will have already studied the Eggs and Breakfast Cookery Learning Guide)
- Instructor makes appropriate number of handouts for the class
- Instructor hands out “the exercise” sheet and asks the students to fill in the parts of an egg.
- Review answers with students then handout the answer sheet.

---

**Cooking Time**

- 20 minutes

**Essential Skills being practiced**

- ✓ Thinking Skills
- ✓ Document Use

---

**Tip:**
Using the picture and the words above, decide what part of the egg is indicated by the green dots.
PARTS OF AN EGG - EXERCISE - ANSWERS

- Yolk
- Shell (Largely Calcium)
- Chalaza
- Germination spot
- Air Cell
- Albumen (Egg White)
## Recipe

**LE�SN PLAN - EGG GRADES**

**From the kitchen of**

**EGGS & BREAKFAST COOKERY**

## Purpose and Practice:

- To review qualities of Grade A, B and C eggs.

## Ingredients

<table>
<thead>
<tr>
<th>Page 154</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>handout called &quot;Egg Grades&quot;</td>
<td>• (students will have already studied the &quot;Eggs and Breakfast Cookery Learning Guide&quot;)</td>
</tr>
</tbody>
</table>

| Page 155  | • Instructor makes appropriate number of handouts for the class |
| Egg Grade study card (1 sheet = 4 study cards) | • Instructor hands out "the egg grades study cards" and reviews information with the class. |

## Cooking Time

- 20 minutes

## Essential Skills being practiced

- Thinking Skills
- Document Use

## Tip:
EGG GRADES

GRADE A
- Albumen: Firm
- Yolk: Rounded, well centered
- Shell: Clean, no cracks, normal shape
- Use: Sold at retail markets for household use

GRADE B
- Albumen: Watery
- Yolk: Slightly flattened
- Shell: No cracks but rough texture
- Use: Used for commercial baking or further processing

GRADE C
- Albumen: Thin and watery
- Yolk: Loose
- Shell: May be cracked
- Use: Not sold to consumers; sold to commercial processors for further processing
Egg Grades

**GRADE A**
- **Albumen**: Firm
- **Yolk**: Rounded, well centered
- **Shell**: Clean, no cracks, normal shape
- **Use**: Sold at retail markets for household use

**GRADE B**
- **Albumen**: Watery
- **Yolk**: Slightly flattened
- **Shell**: No cracks but rough texture
- **Use**: Used for commercial baking or further processing

**GRADE C**
- **Albumen**: Thin and watery
- **Yolk**: Loose
- **Shell**: May be cracked
- **Use**: Not sold to consumers; sold to commercial processors for further processing
LESSON PLAN - EGG VARIETIES

Recipe

From the kitchen of
EGGS & BREAKFAST COOKERY

Purpose and Practice:
- To review 6 varieties of eggs.

Ingredients
- Page 157
dhandout called
``Egg Varieties``

Method
- Instructor makes appropriate number of handouts for the class
- Instructor hands out ``Egg Varieties`` sheet for the students to use as a reference.
- Instructor reviews the information with the class.
- Instructor hands out a “pocket card” version of the information.

Cooking Time
- 20 minutes

Essential Skills being practiced
- Thinking Skills
- Document Use

Tip:
Students can be encouraged to carry the card and quiz each other.
EGG VARIETIES

Eggs are one of nature’s most nutritious foods.

From only 70 calories, an egg supplies every amino acid the human body needs as well as protein, minerals and vitamins, including vitamin D. With the exception of the Omega-3 enhanced, all eggs have the same nutritional value.

In BC, we purchase a greater variety of eggs than anywhere else in Canada, choosing from six types of eggs our farmers offer:

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free range</td>
<td>Free-range eggs are from hens that have access to an outdoor area.</td>
</tr>
<tr>
<td>Free run</td>
<td>Free-run eggs are from hens that are free to roam about on the barn floor.</td>
</tr>
<tr>
<td>Certified organic</td>
<td>Certified organic eggs are from free-range hens fed a certified organic diet and raised in accordance with guidelines issued by certified organizations.</td>
</tr>
<tr>
<td>Omega-3 enhanced</td>
<td>Omega-3 enhanced eggs are from hens that are fed an all-vegetarian diet with significant amounts of ground flaxseed.</td>
</tr>
<tr>
<td>Classic brown</td>
<td>Traditionally farmed, classic brown eggs are from breeds of hens with brown feathers, which lay brown-shelled eggs.</td>
</tr>
<tr>
<td>Classic white</td>
<td>Traditionally farmed, classic white eggs are from breeds of hens such as the white leghorn with white feathers, which lay white-shelled eggs.</td>
</tr>
</tbody>
</table>
**Egg Varieties**

Eggs are one of nature's most nutritious foods. From only 70 calories, an egg supplies every amino acid the human body needs as well as protein, minerals and vitamins, including vitamin D. With the exception of the Omega-3 enhanced, all eggs have the same nutritional value.

In BC, we purchase a greater variety of eggs than anywhere else in Canada, choosing from six types of eggs our farmers offer:

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free range</td>
<td>Free-range eggs are from hens that have access to an outdoor area.</td>
</tr>
<tr>
<td>Free run</td>
<td>Free-run eggs are from hens that are free to roam about on the barn floor.</td>
</tr>
<tr>
<td>Certified organic</td>
<td>Certified organic eggs are from free-range hens fed a certified organic diet and raised in accordance with guidelines issued by certified organizations.</td>
</tr>
<tr>
<td>Omega-3 enhanced</td>
<td>Omega-3 enhanced eggs are from hens that are fed an all-vegetarian diet with significant amounts of ground flaxseed.</td>
</tr>
<tr>
<td>Classic brown</td>
<td>Traditionally farmed, classic brown eggs are from breeds of hens with brown feathers, which lay brown-shelled eggs.</td>
</tr>
<tr>
<td>Classic white</td>
<td>Traditionally farmed, classic white eggs are from breeds of hens such as the white leghorn with white feathers, which lay white-shelled eggs.</td>
</tr>
</tbody>
</table>

In BC, we purchase a greater variety of eggs than anywhere else in Canada, choosing from six types of eggs our farmers offer:

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free range</td>
<td>Free-range eggs are from hens that have access to an outdoor area.</td>
</tr>
<tr>
<td>Free run</td>
<td>Free-run eggs are from hens that are free to roam about on the barn floor.</td>
</tr>
<tr>
<td>Certified organic</td>
<td>Certified organic eggs are from free-range hens fed a certified organic diet and raised in accordance with guidelines issued by certified organizations.</td>
</tr>
<tr>
<td>Omega-3 enhanced</td>
<td>Omega-3 enhanced eggs are from hens that are fed an all-vegetarian diet with significant amounts of ground flaxseed.</td>
</tr>
<tr>
<td>Classic brown</td>
<td>Traditionally farmed, classic brown eggs are from breeds of hens with brown feathers, which lay brown-shelled eggs.</td>
</tr>
<tr>
<td>Classic white</td>
<td>Traditionally farmed, classic white eggs are from breeds of hens such as the white leghorn with white feathers, which lay white-shelled eggs.</td>
</tr>
</tbody>
</table>
SOUPS, STOCKS AND SAUCES
# LESSON PLAN - SOUPS, STOCKS & SAUCES - STOCK VOCABULARY

## Purpose and Practice:
- Word definition match of 10 vocabulary terms related to making stocks, soups and sauces.
- Practice working in a team in order to match up the best possible word to the definition

## Ingredients

<table>
<thead>
<tr>
<th>Page161</th>
<th>(students will have already studied the &quot;Soups, Stocks and Saucers Learning Guide)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stocks Word match - Study Sheet</td>
<td>Instructor makes appropriate number of handouts of “Stocks Word Match – Study Sheet” for the class.</td>
</tr>
<tr>
<td>Pages 162, 163, 164 handouts word match</td>
<td>Copy four sets of word match on card stock and cut out the pieces on the dotted lines.</td>
</tr>
</tbody>
</table>

## Method

- In groups of 2-3 hand out one set of word match cards per group
- Ask the students to match the word on the cracker to the bowl of soup to review vocabulary.
- Instructor hands out the “Stocks Word Match – Study Sheet” to the class to review.

## Cooking Time

30 minutes

## Essential Skills being practiced

- Thinking Skills
- Working With Others
- Document Use
- Reading Text
- Oral Communication

## Tip:

- None
**STOCKS - STUDY SHEET**

- **aromatics**
  A food added to enhance the natural aromas of another food such as herbs and spices and some vegetables.

- **(court) bouillon**
  Stock simmered with vegetables, seasonings and an acidic product like vinegar or wine

- **bouquet garni**
  Fresh herbs and vegetables tied into a bundle with twine and used to flavour stocks, sauces, soups and stews.

- **caramelization**
  The process of cooking sugars (for example: onions or browning bones for stock); the browning of sugar enhances the flavour an appearance of food.

- **clarification**
  The process of transforming a broth into a clear consommé by trapping impurities with a clearmeat consisting of the egg white protein albumen, ground meat, an acidic product, mirepoix and other ingredients.

- **pan drippings**
  The concentrated juices, drippings and bits of food left in a pan after foods are roasted or sautéed; it is used to flavour sauces made directly in the pan.

- **fumet**
  A stock made from fish bones and vegetables simmered in a liquid with flavourings.

- **glaze/glace**
  The dramatic reduction and concentration of a stock.

- **sachet**
  Aromatic ingredients tied in a cheesecloth bag and used to flavour stocks and other foods; usually contains parsley stems, peppercorns, dried thyme, bay leaves, cloves and garlic.

- **simmer**
  Maintaining the temperature of a liquid just below the boiling point.
**STOCKS - WORDMATCH EXERCISE**

- **aromatics**
  A food added to enhance the natural aromas of another food such as herbs and spices and some vegetables.

- **(court) bouillon**
  Stock simmered with vegetables, seasonings and an acidic product like vinegar or wine.

- **bouquet garni**
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- **caramelization**
  The process of cooking sugars (for example: onions or browning bones for stock), the browning of sugar enhances the flavour an appearance of food.
**clarification**

The process of transforming a broth into a clear consommé by trapping impurities with a clearmeat consisting of the egg white protein albumen, ground meat, an acidic product, mirepoix and other ingredients.

**pan drippings**

The concentrated juices, drippings and bits of food left in a pan after foods are roasted or sautéed; it is used to flavour sauces made directly in the pan.

**fumet**

A stock made from fish bones and vegetables simmered in a liquid with flavourings.

**glaze/glace**

The dramatic reduction and concentration of a stock.
A sachet is an aromatic ingredient tied in a cheesecloth bag and used to flavour stocks and other foods; usually contains parsley stems, peppercorns, dried thyme, bay leaves, cloves and garlic.

Simmering refers to maintaining the temperature of a liquid just below the boiling point.
### Purpose and Practice:

- To review the information about types of sauces that can be made from Fish and White Stock.

### Ingredients

| Page 166 | handout “the Veloute Family” |

| Page 167 | handout “the Veloute Family Con’t” |

### Method

- (students will have already studied the `Soups, Stocks and Sauces Learning Guide`)
- Instructor makes appropriate number of handouts for the class
- Instructor hands out “the Veloute Family” and “the Veloute Family Con’t” to review the information with the class.

### Cooking Time

20 minutes

### Essential Skills being practiced

- Document Use

### Tip:

- [ ] Document Use

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**LESSON PLAN - THE VELOUTE FAMILY**

From the kitchen of **SOUP STOCKS & SAUCES**
THE VELOUTE FAMILY

Veloute sauces are made by thickening a fish stock or white stock with roux.*

Fish Stock

Fish Veloute

Vin Blanc  Bercy  Cardinal  Normandy

- **Vin Blanc**: white wine
- **Bercy**: shallots, butter heavy cream, parsley and lemon juice
- **Cardinal**: fish fumet, béchamel, fish veloute, heavy cream, cayenne pepper, lobster butter, brandy and garnish
- **Normandy**: mushroom trimmings, shellfish liquor, lemon juice, egg-yolk and cream liaison.

*roux – a cooked mixture of equal parts flour and fat, by weight; used as a thickener for sauces and other dishes.
**The Veloute Family (Con’t)**

**White Stock**

Veal or Chicken Veloute

- Veal Allemande
- Chicken supreme

(liaison)

- Horseradish
- Mushroom
- Poulette

(cream)

- Ivory
- Hungarian
- Aurora

- **Allemande** sauce is made by adding lemon juice, veal stock and mushrooms to a veal veloute and finishing it with a liaison:
  - **Horseradish** – cream, dry mustard, fresh grated horseradish added just before serving (don’t cook horseradish with the sauce)
  - **Mushroom** – mushrooms, butter, white wine, garnished with parsley and chives
  - **Poulette** – mushrooms, shallots, butter, finished with lemon juice and chopped parsley

- **Supreme sauce** is made by reducing cream and chicken stock:
  - **Ivory** – add glace de volaille to supreme sauce
  - **Hungarian** – onion, butter, paprika, white wine and cream
  - **Aurora** – tomato sauce, cream and butter
**Purpose and Practice:**

- To review the information about types of sauces that can be made from Brown Stock

**Ingredients**

- Page 169
- handout “The Brown Stock Family”

**Method**

- (students will have already studied the `Soups, Stocks and Saucers Learning Guide`)
- Instructor makes appropriate number of handouts for the class
- Instructor hands out “Brown Stock Family” and reviews information with the class.

**Cooking Time**

- 20 minutes

**Essential Skills being practiced**

- Document Use

**Tip:**
THE ESPAGNOLE (BROWN SAUCE) FAMILY

Made of brown stock, mirepoix* and tomatoes, thickened with brown roux; often used to produce demi-glace.

**Brown Stock**

![Diagram of Brown Stock relationships]

- **Glace de viande**
- **Espagnole Sauce**
- **Demi-Glace**
- **Jus de roti**
- **Jus lie**

**THE ESPAGNOLE (BROWN SAUCE) FAMILY**

- **Bordelaise** - chopped shallots, bay leaf, thyme, chopped peppercorns and dry red wine.
- **Chasseur (Hunter’s Sauce)** – diced shallots, sliced mushrooms, butter, white wine, brandy and tomato concasse.
- **Chateaubriand** – sliced shallots, mushrooms, butter, thyme, bay leaves and white wine.
- **Madeira** – made with Madeira wine
- **Mushroom** – shallots, sliced mushrooms, butter with red, white or Madeira wine.
- **Piquant** – shallots, white wine and white wine vinegar, cracked peppercorns. Simmer with demi-glace, then add diced cornichons, capers, fresh tarragon, parsley and chervil.
- **Robert** – chopped onion, butter, dry white wine, dry mustard, wine and meat glaze.
- **Charcuterie** – Robert sauce garnished with sliced julienne of sour pickles (cornichons)
- **Poivrade** – mirepoix, butter, bay leaf, thyme, parsley stems, crushed garlic, clove, white wine, white wine vinegar (can also be done with red wine and red wine vinegar), crushed peppercorns, meat glaze.
- **Port** – made with Port

*Demi-glace* – half brown sauce and half brown stock, reduced by half and used to produce many derivative sauces

**Demi-glace is the basis used to make the following derivative sauces:**

- **Bordelaise**
- **Chasseur**
- **Chateaubriand**
- **Madeira**
- **Mushroom**
- **Piquant**
- **Robert**
- **Poivrade**
- **Port**

* **Perigueux** – add finely diced truffles to Madeira sauce

**mirepoix** – a mixture of coarsely chopped onions, carrots and celery used to flavour stocks, stews and other foods (50% onions, 25% carrots, 25% celery)
LESSON PLAN - THE HOLLANDAISE FAMILY

**Purpose and Practice:**
- To review the information about types of sauces that can be made from Hollandaise and Béarnaise Derivatives.

**Ingredients**
- Page 171 handout “The Hollandaise Family”

**Method**
- (students will have already studied the Soups, Stocks and Sauces Learning Guide)
- Instructor makes appropriate number of handouts for the class
- Instructor hands out “The Hollandaise Family” sheet and reviews information with the class.

**Cooking Time**
- 20 minutes

**Essential Skills being practiced**
- Document Use

**Tip:**
**THE HOLLANDAISE FAMILY**

Warm, emulsified* sauces. Made from egg yolks, warm butter, water, lemon juice or vinegar.

![Hollandaise Sauce Diagram]

Hollandaise Sauce Derivatives:

- **Grimrod** – infuse a hollandaise sauce reduction with saffron.
- **Mousseline** – (Chantilly Sauce) cream, usually glazed under a broiler
- **Maltaise** – blood orange juice and zest (may also use regular oranges)
- **Bernaise Sauce** – is a Hollandaise with tarragon.

Bernaise Sauce Derivatives:

- **Choron** – tomato puree
- **Foyot** – melted glace de viande

*emulsification – the process by which generally unmixable liquids, such as oil and water, are forced into a uniform consistency.*
### Purpose and Practice:

- To review the information about types of sauces that can be made from Tomato Sauce

### Ingredients

- Page 173
- Handout “The Tomato Sauce Family”

### Method

- (students will have already studied the "Soups, Stocks and Sauces Learning Guide")
- Instructor makes appropriate number of handouts for the class
- Instructor hands out “The Tomato Sauce Family” and reviews information with the class.

### Cooking Time

- 20 minutes

### Essential Skills being practiced

- Document Use

### Tip:

- Document Use
THE TOMATO SAUCE FAMILY

Tomato sauce is made from tomatoes, vegetables, seasonings and white stock. It may or may not be thickened with a roux.

- **Creole**: onion, celery, garlic, bay leaf, thyme, diced green pepper, diced okra, sliced green olives and hot pepper sauce.

- **Spanish**: onions, celery, sweet peppers, garlic, olive oil, mushrooms, chiles, salt and pepper.
**Lesson Plan - The Bechamel Family**

**Purpose and Practice:**
- To review the information about types of derivative sauces that can be made from Bechamel Sauce.

**Ingredients**
- Page 175 handout “The Bechamel Sauce Family”

**Method**
- (students will have already studied the "Soups, Stocks and Sauces Learning Guide")
- Instructor makes appropriate number of handouts for the class
- Instructor hands out “The Bechamel Sauce Family” and reviews information with the class.

**Cooking Time**
- 20 minutes

**Essential Skills being practiced**
- Document Use

**Tip:**
- Document Use
THE BÉCHAMEL FAMILY

Named after its creator, Louis de Bechamel (1630 – 1703), béchamel sauce is the easiest basic sauce to prepare. Today, the sauce is made by thickening scalded milk with a white roux and adding seasonings. It is used for vegetable, egg, gratin and pasta dishes.

Milk and Roux*

Bechamel

Cream Cheddar Mornay Nantua

- **Cream Sauce**: scalded cream and a few drops of lemon juice
- **Cheddar**: grated old or medium cheddar cheese, a dash of Tabasco sauce and dry mustard
- **Mornay**: grated gruyere and parmesan cheeses
- **Nantua**: heavy cream, crayfish butter and paprika

*roux – a cooked mixture of equal parts flour and fat by weight; used as a thickener for sauces and other dishes
VEGETABLES & STARCHES
LESSON PLAN - VEGETABLES - FILL IN THE BLANKS

**Purpose and Practice:**
- Reading material previously studied in class and remembering what was learned

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 178</td>
<td>· Instructor prepares appropriate number of “Vegetables” handouts for the learners</td>
</tr>
<tr>
<td>(Learners’ handout)</td>
<td>· Individually, learners fill in the blanks using the words provided to complete the passage.</td>
</tr>
<tr>
<td>-Page 179</td>
<td>· Instructor reviews the answers with the class in a groups setting.</td>
</tr>
<tr>
<td>(Instructor’s answer key)</td>
<td></td>
</tr>
</tbody>
</table>

**Cooking Time**
- 15 minutes

**Essential Skills being practiced**
- Thinking Skills
- Reading Text

**Tip:** (practicing oral communication)
Invite learners to discuss their favourite vegetables and what it is about them that they like (taste, look, aroma, preparation). We normally have difficult eating enough vegetables. Discuss ways to include eating vegetables more often in a daily diet.
Fill in the blanks by using the best possible word below:

<table>
<thead>
<tr>
<th>sugar</th>
<th>plant</th>
<th>cooked</th>
</tr>
</thead>
<tbody>
<tr>
<td>savoury*</td>
<td>tissue</td>
<td>eaten</td>
</tr>
</tbody>
</table>

The term vegetable refers to any herbaceous ______________ that can be partially or wholly __________. A herbaceous plant has little or no woody ____________.

The portion we consume include the leaves, stems, roots, tubers, seeds and flowers.

Vegetables contain more starch and less ____________ than fruits. Therefore, vegetables tend to be __________________, not sweet. Also, unlike fruits, vegetables are most often eaten ________________ not raw.

*savoury = salty
VEGETABLES - ANSWERS

Fill in the blanks by using the best possible word below:

<table>
<thead>
<tr>
<th>sugar</th>
<th>plant</th>
<th>cooked</th>
</tr>
</thead>
<tbody>
<tr>
<td>savoury*</td>
<td>tissue</td>
<td>eaten</td>
</tr>
</tbody>
</table>

The term vegetable refers to any herbaceous **plant** that can be partially or wholly **eaten**. A herbaceous plant has little or no woody **tissue**.

The portion we consume include the leaves, stems, roots, tubers, seeds and flowers.

Vegetables contain more starch and less **sugar** than fruits. Therefore, vegetables tend to be **savoury**, not sweet. Also, unlike fruits, vegetables are most often eaten **cooked** not raw.

*savoury = salty*
## Purpose and Practice:
- Studying 11 categories of vegetables with examples for each category.
- Reviewing material previously studied in class.

## Ingredients
<table>
<thead>
<tr>
<th>Page 181 (learners’ handout study sheet)</th>
<th>Page 182 (learners’ practice sheet – identifying categories)</th>
<th>Page 183 (learners’ practice sheet – identifying examples)</th>
</tr>
</thead>
</table>

## Method
- Instructor prepares appropriate number of “Vegetable Identification – study sheet” and hands out to learners for review.
- Instructor prepares appropriate number of “Vegetable Identification – Category Identification Exercise” and encourages them to identify the category for each list of examples, without referring to the study sheet.
- Instructor prepares appropriate number of “Vegetable Identification – Example Identification Exercise” and encourages them to write in some examples of vegetables for each category without referring to the study sheet.
- Students check their answers together in smaller groups

## Cooking Time
30 - 45 minutes

## Essential Skills being practiced
- Reading Text
- Thinking Skills
- Writing
- Oral Communication

## Tip:
Exercises can be done in small groups or individually.
Vegetables are divided into categories. These categories are organized according to which part of the plant is eaten and or used.

<table>
<thead>
<tr>
<th>Categories</th>
<th>Common Vegetable Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulbs</td>
<td>onions, shallots, garlic, leeks, scallions</td>
</tr>
<tr>
<td>Flower and Buds</td>
<td>bok choy, broccoli, brussels sprouts, cauliflower, green and red cabbage, napa cabbage, savoy cabbage</td>
</tr>
<tr>
<td>Fruit Vegetables</td>
<td>avocados, peppers, tomatoes, eggplants, cucumbers, gourds and squashes</td>
</tr>
<tr>
<td>Fungus (plural = fungi)</td>
<td>mushrooms (including farmed and wild varieties)</td>
</tr>
<tr>
<td>Leafy Greens</td>
<td>spinach, swiss chard, mustard greens</td>
</tr>
<tr>
<td>Legumes</td>
<td>green, yellow and dried beans</td>
</tr>
<tr>
<td>Pods and Seeds</td>
<td>corn, okra</td>
</tr>
<tr>
<td>Roots &amp; Tubers</td>
<td>beets, carrots, parsnips, daikon, turnips, celeriac, jicama, potatoes</td>
</tr>
<tr>
<td>Shoots &amp; Stalks</td>
<td>asparagus, celery</td>
</tr>
</tbody>
</table>
VEGETABLE IDENTIFICATION - CATEGORY IDENTIFICATION EXERCISE

Vegetables are divided into categories. These categories are organized according to which part of the plant is eaten and/or used. Please list one or two examples of vegetables for each category below:

<table>
<thead>
<tr>
<th>Categories</th>
<th>Common Vegetable Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Onions, shallots</td>
<td>garlic, leeks, scallions</td>
</tr>
<tr>
<td>Bok choy, broccoli</td>
<td>Brussels sprouts, cauliflower, green and red cabbage, napa cabbage, savoy cabbage</td>
</tr>
<tr>
<td>Avocados, peppers</td>
<td>tomatoes, eggplants, cucumbers, gourds and squashes</td>
</tr>
<tr>
<td>Mushrooms</td>
<td>(including farmed and wild varieties)</td>
</tr>
<tr>
<td>Spinach</td>
<td>Swiss chard, mustard greens</td>
</tr>
<tr>
<td>Green, yellow beans</td>
<td></td>
</tr>
<tr>
<td>Corn, okra</td>
<td></td>
</tr>
<tr>
<td>Beets, carrots,</td>
<td>parsnips, daikon, turnips, celeriac, jicama, potatoes</td>
</tr>
<tr>
<td>Asparagus, celery</td>
<td></td>
</tr>
</tbody>
</table>
### VEGETABLE IDENTIFICATION - EXAMPLE IDENTIFICATION EXERCISE

Vegetables are divided into categories. These categories are organized according to which part of the plant is eaten and/or used. Please list one or two examples of vegetables for each category below:

<table>
<thead>
<tr>
<th>Categories</th>
<th>Common Vegetable Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulbs</td>
<td></td>
</tr>
<tr>
<td>Flower and Buds</td>
<td></td>
</tr>
<tr>
<td>Fruit Vegetables</td>
<td></td>
</tr>
<tr>
<td>Fungus (plural = fungi)</td>
<td></td>
</tr>
<tr>
<td>Leafy Greens</td>
<td></td>
</tr>
<tr>
<td>Legumes</td>
<td></td>
</tr>
<tr>
<td>Pods and Seeds</td>
<td></td>
</tr>
<tr>
<td>Roots &amp; Tubers</td>
<td></td>
</tr>
<tr>
<td>Shoots &amp; Stalks</td>
<td></td>
</tr>
</tbody>
</table>
**Recipe**

From the kitchen of VEGETABLES & STARCHES

### Purpose and Practice:
- Studying 11 categories of vegetables with examples, descriptions and images
- Reviewing material previously studied in class.

### Ingredients

**Pages 185 to 194**
(learners’ handout booklet)
- Instructor prepares appropriate number of “Vegetable Categories” booklets – and hands out to learners for review.

**Pages 195 to 204**
(learners’ practice booklet)
- Instructor prepares a number of image cards depending on the size of the group (i.e. 4 sets for groups of 4)

**Pages 205, 206**
(picture match images)
- After learners have had a chance to review, divide the class into small groups and hand out the “Vegetable Categories – Example Identification Exercise” booklets and one set of the image cards

### Method

- Working in small groups, learners identify as many examples of vegetables for each category and match images to each example.

### Cooking Time

60 minutes

### Essential Skills being practiced

- Reading Text
- Thinking Skills
- Writing
- Oral Communication

### Tip:

The image cards can be used as a “memory game” by combining 2 sets and flipping them all over (image side) down. Learners take turns flipping 2 cards at a time searching for matches (i.e. cauliflower to cauliflower, bulb onion to bulb onion). Goal is to improve memory recall and collect as many matches as possible.
VEGETABLE CATEGORIES - BULBS

Vegetables are divided into categories. These categories are organized according to which part of the plant is eaten and or used.

<table>
<thead>
<tr>
<th>Categories</th>
<th>Example</th>
<th>Description</th>
<th>What does it look like?</th>
</tr>
</thead>
</table>
| Bulbs      | Bulb Onion | Most widely known bulb.  
May be white, yellow or red.  
Choose ones that are firm, dry, and feel heavy. | ![Image of onions] |
| Garlic     |           | One head is made up of many small cloves.  
Each clove is wrapped in a thin husk or peel; the entire head is encased in several thin layers of papery husk.  
When using this bulb, remember that the more finely the cloves are crushed, the stronger the flavour will be.  
Cooking this bulb reduces its pungency and the longer it's cooked, the milder it becomes.  
Choose firm, dry bulbs with tightly closed cloves and smooth skins. | ![Image of garlic] |
| Leeks      |           | Look like large, overgrown scallions (green onions), with a fat white tip and wide green leaves.  
Their flavour is sweeter and stronger than scallions, but milder than common bulb onions.  
They must be carefully washed to remove the sandy soil that gets between the leaves. | ![Image of leeks] |
# VEGETABLE CATEGORIES - FLOWER & BUDS

<table>
<thead>
<tr>
<th>Categories</th>
<th>Example</th>
<th>Description</th>
<th>What does it look like?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flower &amp; Buds</strong></td>
<td>Bok Choy</td>
<td>Also known as Pok Choy.</td>
<td>![Bok Choy Image]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>It is a white-stemmed kind of southern Chinese cabbage.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Choose heads with bright white stalks and dark green leaves.</td>
<td></td>
</tr>
<tr>
<td><strong>Broccoli</strong></td>
<td></td>
<td>A type of flower with a thick central stalk with greyish-green leaves topped with one or more</td>
<td>![Broccoli Image]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>heads of green florets.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Choose firm stalks with compact clusters of tightly closed dark green florets.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Avoid stalks with yellow flowers.</td>
<td></td>
</tr>
<tr>
<td><strong>Brussels Sprouts</strong></td>
<td></td>
<td>The tender young sprouts are similar to baby cabbages and are usually steamed or roasted.</td>
<td>![Brussels Sprouts Image]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Choose small, firm sprouts that are compact and heavy.</td>
<td></td>
</tr>
<tr>
<td><strong>Green Cabbage</strong></td>
<td></td>
<td>The familiar green ones have large, firm round heads with tightly packed pale green leaves.</td>
<td>![Green Cabbage Image]</td>
</tr>
<tr>
<td>Categories</td>
<td>Example</td>
<td>Description</td>
<td>What does it look like?</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
<td>-------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>Flower &amp; Buds</td>
<td>Red Cabbage</td>
<td>Red (or purple) ones are a different strain and may be tougher than the green ones.</td>
<td><img src="image" alt="Red Cabbage" /></td>
</tr>
<tr>
<td>Cauliflower</td>
<td></td>
<td>The king of the cabbage family. Each stalk produces one flower or head surrounded by large green leaves. The head is composed of creamy white florets. Choose firm, compact heads. Any attached leaves should be bright green and crisp.</td>
<td><img src="image" alt="Cauliflower" /></td>
</tr>
<tr>
<td>Napa Cabbage</td>
<td></td>
<td>Also known as Chinese cabbage (suey choy). It has a long head with tightly packed, firm, pale green leaves. It is moister and more tender than common green and red cabbages, with a milder, more delicate flavour.</td>
<td><img src="image" alt="Napa Cabbage" /></td>
</tr>
<tr>
<td>Savoy Cabbage</td>
<td></td>
<td>Has curly, bumpy, wavy, tightly wrinkled leaves. Tends to be milder and more tender than regular cabbages.</td>
<td><img src="image" alt="Savoy Cabbage" /></td>
</tr>
</tbody>
</table>
### VEGETABLE CATEGORIES - FRUIT VEGETABLES

<table>
<thead>
<tr>
<th>Categories</th>
<th>Example</th>
<th>Description</th>
<th>What does it look like?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fruit Vegetables</td>
<td>Avocados</td>
<td>Pear shaped fruits with rich, high-fat flesh.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Flesh is golden-green and surrounds a large, inedible, oval-shaped seed (pit).</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Some varieties have smooth, green skin; others have pebbly, almost black skin.</td>
<td></td>
</tr>
<tr>
<td>Peppers</td>
<td></td>
<td>Members of the Capsicum family.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Include sweet and hot (chiles) varieties.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>They get their heat from capsaicin, which is found in the placental ribs (not in the flesh or seeds).</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Its heat can be reduced by carefully removing the ribs and attached seeds. Generally, the smaller the chile, the hotter it is.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Common sweet ones are known as “bell”. They are thick-walled fruits available in green, red, yellow, purple, orange and other colours.</td>
<td></td>
</tr>
<tr>
<td>Tomatoes</td>
<td></td>
<td>Available in a wide variety of colors and shapes.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>They vary from green (unripe) to golden yellow to ruby red.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Size: from tiny spheres to huge, squat ovals (known as beefsteak).</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Choose fresh ones that are plump with a smooth, shiny skin. The color should be uniform.</td>
<td></td>
</tr>
<tr>
<td>Eggplant</td>
<td></td>
<td>In French, known as “aubergine” (sounds like oberjeen).</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Two types commonly available: asian and western.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asian variety is long and thin, with skin colors ranging from creamy white to deep purple.</td>
<td></td>
</tr>
</tbody>
</table>
### Vegetable Categories - Fruit Vegetables (Cont’)

<table>
<thead>
<tr>
<th>Categories</th>
<th>Example</th>
<th>Description</th>
<th>What does it look like?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fruit Vegetables</strong></td>
<td><strong>Cucumbers</strong></td>
<td>Common types of “Slicing” ones are: seedless English, Lemon, and the common green field. Choose ones that are firm but not hard. Avoid those that are limp, yellowed or have soft spots.</td>
<td><img src="image1.jpg" alt="Cucumbers" /></td>
</tr>
<tr>
<td><strong>Squashes</strong></td>
<td></td>
<td>Members of the gourd family. They can be classified as winter or summer, based on their peak season and skin. Choose ones with unbroken skins and good colour. Avoid ones with soft, moist spots.</td>
<td><img src="image2.jpg" alt="Squashes" /></td>
</tr>
<tr>
<td><strong>Winter Squashes</strong></td>
<td></td>
<td>Varieties include: acorn, banana, butternut, pumpkin and spaghetti. They have hard skins (shells) and seeds. The flesh, which may be removed from the shell before or after cooking tends to be sweeter than the summer squash.</td>
<td><img src="image3.jpg" alt="Winter Squashes" /></td>
</tr>
<tr>
<td><strong>Summer Squash</strong></td>
<td></td>
<td>Varieties include the: pattypan, yellow crook-neck and zucchini. They have soft edible skins and seeds that are generally not removed before cooking. Most may be eaten raw, but are also suitable for grilling, sautéing, steaming or baking. The peak season is April through September.</td>
<td><img src="image4.jpg" alt="Summer Squash" /></td>
</tr>
</tbody>
</table>
### VEGETABLE CATEGORIES - FUNGUS (PLURAL = FUNGI)

<table>
<thead>
<tr>
<th>Categories</th>
<th>Example</th>
<th>Description</th>
<th>What does it look like?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fungus (plural = fungi)</td>
<td>Mushrooms</td>
<td>Members of a broad category of plants known as fungi. Come in farmed and wild varieties. They have a stalk with an umbrella like top. Even though they aren’t really a vegetable, they are used and served in much the same manner as vegetables. Wild ones have a stronger earthy or nutty flavour than the cultivated ones and should generally be cooked before eating. Choose fresh ones that are clean, without soft or moist spots or blemishes.</td>
<td><img src="image" alt="Mushrooms" /></td>
</tr>
</tbody>
</table>
### VEGETABLE CATEGORIES - LEAFY GREENS

<table>
<thead>
<tr>
<th>Categories</th>
<th>Example</th>
<th>Description</th>
<th>What does it look like?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leafy Greens</td>
<td>Leafy Greens</td>
<td>The term refers to a variety of leafy green vegetables that may be served raw, but are usually cooked. Most have strong, spicy flavours. Mustard, sorrel, spinach, Swiss chard, dandelion and turnip greens fall into this category. Choose young, tender greens with good colour and no limpness. Avoid greens with dry-looking stems or yellow leaves.</td>
<td><img src="image1.jpg" alt="Leafy Greens" /></td>
</tr>
<tr>
<td>Leafy Greens</td>
<td>Spinach</td>
<td>A versatile green that grows rapidly in cool climates. It has smooth, bright green leaves attached to thin stems. Choose bunches with crisp, tender, deep green leaves; avoid yellow, blemished leaves.</td>
<td><img src="image2.jpg" alt="Spinach" /></td>
</tr>
<tr>
<td>Categories</td>
<td>Example</td>
<td>Description</td>
<td>What does it look like?</td>
</tr>
<tr>
<td>---------------------------</td>
<td>------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td>Legumes/ Pods and Seeds</td>
<td>Beans and Peas</td>
<td>Members of the legume family. They have double-seamed pods containing a single row of seeds.</td>
<td>![Green beans]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Most need to be soaked in water before cooking.</td>
<td></td>
</tr>
<tr>
<td>Fresh Beans</td>
<td></td>
<td>Commonly referred to as green beans, string beans, runner beans or snap beans. They are picked when they are immature.</td>
<td>![Green beans]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Except for the stem, the entire pod can be eaten.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>This category includes the green bean, the yellow wax bean and the French haricot vert. Choose ones that have a bright colour without brown or soft spots.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Large pods may be tough or bitter.</td>
<td></td>
</tr>
<tr>
<td>Dried Beans</td>
<td></td>
<td>Common ones include: kidney, pinto, chickpeas, lentils, black, black-eyed peas and split green peas. Most need to be soaked in water before cooking.</td>
<td>![Red beans]</td>
</tr>
<tr>
<td>Corn</td>
<td></td>
<td>Is actually a grain, a type of grass. They are plant seeds. Choose freshly picked ears with firm, small kernels. Avoid those with mould or decay at the tip of the cob or brownish silks.</td>
<td>![Corn]</td>
</tr>
</tbody>
</table>
# Vegetable Categories - Roots and Tubers

<table>
<thead>
<tr>
<th>Categories</th>
<th>Example</th>
<th>Description</th>
<th>What does it look like?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roots</td>
<td>Beets</td>
<td>Beets can be boiled, then peeled and used in salads, soups or backed dishes. Choose small to medium-sized beets that are firm, with smooth skins. Avoid those with hairy root tips, as they may be tough.</td>
<td><img src="image1" alt="Beets" /></td>
</tr>
<tr>
<td></td>
<td>Carrots</td>
<td>They are among the most versatile of vegetables. They are large taproots. They are long and pointed with a medium to dark orange colour. They have a mild, sweet flavour. Choose ones that are smooth and well-shaped, with a bright orange colour. If the tops are still attached, they should be fresh-looking and bright green.</td>
<td><img src="image2" alt="Carrots" /></td>
</tr>
<tr>
<td></td>
<td>Parsnips</td>
<td>They are white taproots that look and taste like carrots and have the texture of sweet potatoes. Choose small to medium-sized ones that are firm, smooth and well-shaped. Avoid large, woody ones.</td>
<td><img src="image3" alt="Parsnips" /></td>
</tr>
<tr>
<td></td>
<td>Rutabagas</td>
<td>They are a root vegetable and a member of the cabbage family. Their skin is purple to yellow and they have yellow flesh with a distinctive starchy, cabbage-like flavour. Choose small to medium-sized ones that are smooth and firm and feel heavy.</td>
<td><img src="image4" alt="Rutabagas" /></td>
</tr>
<tr>
<td></td>
<td>Turnips</td>
<td>They are a root vegetable from the cabbage family. They have white skin with a rosy-re or purple blush and white interior. Flavour is similar to a radish. Choose small to medium-sized turnips that have smooth skin and feel heavy. They should be firm, not rubbery or limp.</td>
<td><img src="image5" alt="Turnips" /></td>
</tr>
</tbody>
</table>

**Roots** (single roots that extend deep into the soil to supply the above-ground plant with nutrients)

**Tubers** (fat underground stems)
### VEGETABLE CATEGORIES - SHOOTS AND STALKS

<table>
<thead>
<tr>
<th>Categories</th>
<th>Example</th>
<th>Description</th>
<th>What does it look like?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Shoots and Stalks</strong></td>
<td>Asparagus</td>
<td>Generally has bright green shoots with a ruffle of tiny leaves at the tip. Larger spears or shoots tend to be tough and woody but can be used in soups or for puree. Choose firm, plump spears with tightly closed tips and a bright green colour running the full length of the spear. White ones are sometimes available fresh.</td>
<td><img src="image" alt="Asparagus" /></td>
</tr>
<tr>
<td>(plant stems with a high percentage of cellulose fibre)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Celery</td>
<td>The stalk variety is pale green with stringy curved stalks (ribs). Choose stalks that are crisp, without any sign of dryness. Available all year.</td>
<td><img src="image" alt="Celery" /></td>
</tr>
</tbody>
</table>
**VEGETABLE CATEGORIES - EXAMPLE IDENTIFICATION EXERCISE**

Vegetables are divided into categories. These categories are organized according to which part of the plant is eaten and or used.

<table>
<thead>
<tr>
<th>Categories</th>
<th>Example</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bulbs</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Most widely known bulb. May be white, yellow or red. Choose ones that are firm, dry, and feel heavy.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One head is made up of many small cloves. Each clove is wrapped in a thin husk or peel; the entire head is encased in several thin layers of papery husk. When using this bulb, remember that the more finely the cloves are crushed, the stronger the flavour will be. Cooking this bulb reduces its pungency and the longer it’s cooked, the milder it becomes. Choose firm, dry bulbs with tightly closed cloves and smooth skins.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Look like large, overgrown scallions (green onions), with a fat white tip and wide green leaves. Their flavour is sweeter and stronger than scallions, but milder than common bulb onions. They must be carefully washed to remove the sandy soil that gets between the leaves.</td>
<td></td>
</tr>
<tr>
<td>Categories</td>
<td>Example</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------</td>
<td>-----------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Flower &amp; Buds</td>
<td></td>
<td>Also known as Pok Choy. It is a white-stemmed kind of southern Chinese cabbage. Choose heads with bright white stalks and dark green leaves.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A type of flower with a thick central stalk with greyish-green leaves topped with one or more heads of green florets. Choose firm stalks with compact clusters of tightly closed dark green florets. Avoid stalks with yellow flowers.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The tender young sprouts are similar to baby cabbages and are usually steamed or roasted. Choose small, firm sprouts that are compact and heavy.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The familiar green ones have large, firm round heads with tightly packed pale green leaves.</td>
</tr>
</tbody>
</table>
## VEGETABLE CATEGORIES - EXAMPLE IDENTIFICATION EXERCISE

<table>
<thead>
<tr>
<th>Categories</th>
<th>Example</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flower &amp; Buds</td>
<td>Red (or purple) ones are a different strain and may be tougher than the green ones.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The king of the cabbage family.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Each stalk produces one flower or head surrounded by large green leaves. The head is composed of creamy white florets.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Choose firm, compact heads. Any attached leaves should be bright green and crisp.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Also known as Chinese cabbage (suey choy).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>It has a long head with tightly packed, firm, pale green leaves.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>It is moister and more tender than common green and red cabbages, with a milder, more delicate flavour.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Has curly, bumpy, wavy, tightly wrinkled leaves.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tends to be milder and more tender than regular cabbages.</td>
<td></td>
</tr>
<tr>
<td>Categories</td>
<td>Example</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------</td>
<td>---------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| **Fruit Vegetables** |               | Pear shaped fruits with rich, high-fat flesh.  
Flesh is golden-green and surrounds a large, inedible, oval-shaped seed (pit).  
Some varieties have smooth, green skin; others have pebbly, almost black skin. |
<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td><strong>Fruit Vegetables</strong></td>
<td></td>
<td>Common types of “Slicing” ones are: seedless English, Lemon, and the common green field.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Choose ones that are firm but not hard. Avoid those that are limp, yellowed or have soft spots.</td>
</tr>
<tr>
<td></td>
<td>Members of the gourd family.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>They can be classified as winter or summer, based on their peak season and skin.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Choose ones with unbroken skins and good colour. Avoid ones with soft, moist spots.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Varieties include: acorn, banana, butternut, pumpkin and spaghetti.</td>
</tr>
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<td></td>
<td></td>
<td>They have hard skins (shells) and seeds.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The flesh, which may be removed from the shell before or after cooking tends to be sweeter than the summer squash.</td>
</tr>
<tr>
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<td></td>
<td>Varieties include: pattypan, yellow crookneck and zucchini.</td>
</tr>
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<td></td>
<td></td>
<td>They have soft edible skins and seeds that are generally not removed before cooking.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Most may be eaten raw, but are also suitable for grilling, sautéing, steaming or baking.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Their peak season is April through September.</td>
</tr>
</tbody>
</table>
### VEGETABLE CATEGORIES - EXAMPLE IDENTIFICATION EXERCISE

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<tr>
<th>Categories</th>
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</tr>
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<tbody>
<tr>
<td><strong>Fungus</strong></td>
<td></td>
<td>Members of a broad category of plants known as fungi.</td>
</tr>
<tr>
<td>(plural = fungi)</td>
<td></td>
<td>Come in farmed and wild varieties.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>They have a stalk with an umbrella like top. Even though they aren’t really a vegetable, they are used and served in much the same manner as vegetables.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wild ones have a stronger earthy or nutty flavour than the cultivated ones and should generally be cooked before eating.</td>
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<td></td>
<td>Choose fresh ones that are clean, without soft or moist spots or blemishes.</td>
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<tr>
<td><strong>Leafy Greens</strong></td>
<td></td>
<td>The term refers to a variety of leafy green vegetables that may be served raw, but are usually cooked. Most have strong, spicy flavours. Mustard, sorrel, spinach, Swiss chard, dandelion and turnip greens fall into this category. Choose young, tender greens with good colour and no limpness. Avoid greens with dry-looking stems or yellow leaves.</td>
</tr>
<tr>
<td><strong>Leafy Greens</strong></td>
<td></td>
<td>A versatile green that grows rapidly in cool climates. It has smooth, bright green leaves attached to thin stems. Choose bunches with crisp, tender, deep green leaves; avoid yellow, blemished leaves.</td>
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</tr>
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<tbody>
<tr>
<td><strong>Legumes/ Pods and Seeds</strong></td>
<td></td>
<td>Members of the legume family.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>They have double-seamed pods containing a single row of seeds.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Common ones include: kidney, pinto, chickpeas, lentils, black, black-eyed peas and split green peas.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Most need to be soaked in water before cooking.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Is actually a grain, a type of grass.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>They are plant seeds.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Choose freshly picked ears with firm, small kernels.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Avoid those with mould or decay at the tip of the cob or brownish silks.</td>
</tr>
<tr>
<td></td>
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<tr>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Roots</strong></td>
<td>Beets can be boiled, then peeled and used in salads, soups or backed dishes. Choose small to medium-sized beets that are firm, with smooth skins. Avoid those with hairy root tips, as they may be tough.</td>
<td></td>
</tr>
<tr>
<td>and <strong>Tubers</strong></td>
<td>They are among the most versatile of vegetables. They are large taproots. They are long and pointed with a medium to dark orange colour. They have a mild, sweet flavour. Choose ones that are smooth and well-shaped, with a bright orange colour. If the tops are still attached, they should be fresh-looking and bright green.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>They are white taproots that look and taste like carrots and have the texture of sweet potatoes. Choose small to medium-sized ones that are firm, smooth and well-shaped. Avoid large, woody ones.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>They are a root vegetable and a member of the cabbage family. Their skin is purple to yellow and they have yellow flesh with a distinctive starchy, cabbage-like flavour. Choose small to medium-sized ones that are smooth and firm and feel heavy.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>They are a root vegetable from the cabbage family. They have white skin with a rosy-re or purple blush and white interior. Flavour is similar to a radish. Choose small to medium-sized turnips that have smooth skin and feel heavy. They should be firm, not rubbery or limp.</td>
<td></td>
</tr>
</tbody>
</table>

VEGETABLES & STARCHES
<table>
<thead>
<tr>
<th>Categories</th>
<th>Example</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Shoots and Stalks</strong> (plant stems with a high percentage of cellulose fibre)</td>
<td>Generally has bright green shoots with a ruffle of tiny leaves at the tip. Larger spears or shoots tend to be tough and woody but can be used in soups or for puree. Choose firm, plump spears with tightly closed tips and a bright green colour running the full length of the spear. White ones are sometimes available fresh.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The stalk variety is pale green with stringy curved stalks (ribs). Choose stalks that are crisp, without any sign of dryness. Available all year.</td>
<td></td>
</tr>
</tbody>
</table>
VEGETABLE CATEGORIES - IMAGE CUT OUTS
VEGETABLES & STARCHES
Purpose and Practice:

- Review 6 general guidelines for cooking vegetables that should be considered regardless of the cooking method used.
- Matching phrases to form a complete thought.

Ingredients

Page 208 Guidelines for Vegetable Cookery

Method

- Instructor prepares appropriate number of “Guidelines for Vegetable Cookery” handout and reviews with the class.
- Instructor prepares 4 sets of phrase match strips (color coded) by cutting along the dotted lines and separating into sets. Instructor shuffles the strips of the same color so that they are not in order.
- Distribute a complete (shuffled) set to each group (2 to 5 students per group).
- Invite each group to work together (encouraging total participation) to match up phrases to make up a complete thought/guideline.
- Come together as a whole class to review the sort.

Cooking Time

30 minutes

Essential Skills being practiced

- Thinking Skills
- Working With Others
- Document Use
- Reading Text

Tip:

If learners are struggling to make a match, remind them to use Thinking Skills and search for clues that would suggest a perfect match.
GUIDELINES FOR VEGETABLE COOKERY

The following general guidelines for vegetable cookery should be considered regardless of the cooking method used:

1. Vegetables should be carefully cut into uniform shapes and sizes to promote even cooking and provide an attractive finished product.

2. Cook vegetables for as short a time as possible to preserve texture, colour and nutrients.

3. Cook vegetables as close to service time as possible. Holding vegetables in a steam table continues to cook them.

4. When necessary, vegetables may be blanched in advance, refreshed in ice water and refrigerated. They can then be reheated as needed.

5. White and red vegetables (those with flavonoid pigments) may be cooked with a small amount of acid such as lemon juice, vinegar or white wine to help retain their color.

6. When preparing an assortment of vegetables, cook each type separately, and then combine them. Otherwise some items will be overcooked in the time required to cook others properly.
### GUIDELINES FOR VEGETABLE COOKERY - PHRASE MATCH EXERCISE A

Match the best possible phrases/sentences to each other:

<table>
<thead>
<tr>
<th>Holding vegetables in a steam table continues to cook them.</th>
<th>Cook vegetables as close to service time as possible.</th>
<th>to promote even cooking and provide an attractive finished product.</th>
<th>to preserve texture, colour and nutrients.</th>
<th>Cook vegetables for as short a time as possible.</th>
<th>Vegetables should be carefully cut into uniform shapes and sizes.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vegetables should be carefully cut into uniform shapes and sizes.</td>
<td>Cook vegetables as close to service time as possible.</td>
<td>to promote even cooking and provide an attractive finished product.</td>
<td>to preserve texture, colour and nutrients.</td>
<td>Cook vegetables for as short a time as possible.</td>
<td>Holding vegetables in a steam table continues to cook them.</td>
</tr>
</tbody>
</table>
When preparing an assortment of vegetables, cook each type separately, and then combine them.

When necessary, vegetables may be blanched in advance, refreshed in ice water and refrigerated.

White and red vegetables (those with flavonoid pigments) may be cooked with a small amount of acid such as lemon juice, vinegar or white wine to help retain their color.

GUIDELINES FOR VEGETABLE COOKERY - PHRASE MATCH EXERCISE B

Match the best possible phrases/sentences to each other:
LESSON PLAN - PURCHASING & STORING FRESH VEGETABLES – FILL IN THE BLANKS

From the kitchen of VEGETABLES & STARCHES

Recipe

Purpose and Practice:

- Reading material previously studied in class and remembering what was learned

Ingredients

<table>
<thead>
<tr>
<th>Page 212 (Learners’ handout)</th>
<th>Page 213 (Instructor’s answer key)</th>
</tr>
</thead>
</table>

Method

- Instructor prepares appropriate number of “Purchasing and Storing Fresh Vegetables” handouts for the learners
- Individually, learners fill in the blanks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a groups setting.

Cooking Time

15 minutes

Essential Skills being practiced

✓ Thinking Skills
✓ Reading Text

Tip:

Invite learners to discuss the idea of spoilage. Questions to ask: how many of you buy fresh vegetables only to have to throw them out because they are spoiled? What do you do to make sure that you use any vegetables that you bring home?
Fill in the blanks by using the best possible word below:

<table>
<thead>
<tr>
<th>greatest advantages</th>
<th>seasonal texture</th>
<th>vegetables lowest</th>
</tr>
</thead>
</table>

Fresh _____________________ should be selected according to ____________________ availability. Using a vegetable at the peak of its season has several ____________________________: Price is at its __________________, selection is at its _________________________ and the vegetable’s color, flavour and ____________________ are at their best.
PURCHASING AND STORING FRESH VEGETABLES - ANSWERS

Fill in the blanks by using the best possible word below:

<table>
<thead>
<tr>
<th>greatest</th>
<th>seasonal</th>
<th>vegetables</th>
</tr>
</thead>
<tbody>
<tr>
<td>advantages</td>
<td>texture</td>
<td>lowest</td>
</tr>
</tbody>
</table>

Fresh ________ vegetables ________ should be selected according to ________ seasonal ________ availability. Using a vegetable at the peak of its season has several ________ advantages ________: Price is at its ________ lowest ________, selection is at its ________ greatest ________ and the vegetable’s color, flavor and ________ texture ________ are at their best.
LESSON PLAN - DETERMINING DONENESS – FILL IN THE BLANKS

From the kitchen of

Purpose and Practice:

- Reading material previously studied in class and remembering what was learned.

Ingredients

- Page 215 (Learners’ handout)
- Page 216 (Instructor’s answer key)

Method

- Instructor prepares appropriate number of “Determining Doneness” handouts for the learners.
- Individually, learners fill in the blanks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a groups setting.

Cooking Time

15 minutes

Essential Skills being practiced

- Thinking Skills
- Reading Text

Tip: (practicing oral communication)

Invite learners to discuss the idea of overcooking vegetables: What happens when vegetables are overcooked? How do you cook vegetables at home? What kinds of vegetables do you enjoy eating raw?
Most cooked vegetables are done when they are just tender when ________________ with a fork or the tip of a ________________ knife. Leafy vegetables should be ___________________ but still have a __________________ color.

You can avoid __________________ vegetables by remembering that some carryover cooking will occur. Always rely on objective tests – sight, taste and _______________ rather than the clock.
### DETERMINING DONENESS - ANSWERS

Fill in the blanks by using the best possible word below:

<table>
<thead>
<tr>
<th>bright</th>
<th>pierced</th>
<th>aroma</th>
</tr>
</thead>
<tbody>
<tr>
<td>paring</td>
<td>wilted</td>
<td>overcooking</td>
</tr>
</tbody>
</table>

Most cooked vegetables are done when they are just tender when _________**pierced**________ with a fork or the tip of a _________**paring**________ knife. Leafy vegetables should be _________**wilted**________ but still have a _________**bright**________ color.

You can avoid _________**overcooking**________ vegetables by remembering that some carryover cooking will occur. Always rely on objective tests – sight, taste and _________**aroma**________ rather than the clock.
# Purpose and Practice:

- Study sheet hand out of starches with pictures and definitions.

## Ingredients

| Pages 218 to 221 Study Sheets (part A and B) - foundation for other exercises - handout |

## Method

- Instructor makes appropriate number of handouts for the class
- Instructor hands out "Study Sheets" sheet for the students to use as a reference.
- Instructor reviews the information with the class.

## Cooking Time

20 minutes

## Essential Skills being practiced

- ✓ Document Use
- ✓ Thinking Skills
- ✓ Reading skills

---
**Red Potatoes**

Have a thin red skin and crisp, white, waxy flesh best suited to boiling or steaming. They do not have the dry, mealy texture successful baking requires.

---

**Russet**

Also referred to as Idaho Potatoes, are the standard baking potatoes. Russets are excellent baked and are the best potatoes for frying.

---

**Sweet Potatoes**

Sweet potatoes are from a different botanical family than ordinary potatoes. Two types are commonly available. One has a yellow flesh and a dry mealy texture white sweet potato. The other has a darker orange, moister flesh and is high in sugar.

---

**Yams**

Botanically different from both sweet and common potatoes, Yams are less sweet than sweet potatoes. Flesh of yams changes from creamy white to deep red.
**Converted rice**
Is Parboiled to remove the surface starch. This procedure also forces nutrients from the bran into the endosperm. Therefore, converted rice retains more nutrients than the regular milled white rice, although the flavour is the same.

**Arborio rice**
Is a round, short grained rice used primarily in Italian dishes such as risotto. It is very sticky, with a white color and mild flavour.

**Basmati Rice**
Is one of the finest long grained rice in the world. It grows in the Himalayan foothills and is preferred in Indian cuisine. Jasmine rice, another aromatic long grain rice, is grown in Thailand.

**Brown Rice**
Is the whole natural grain of rice. Brown rice has a nutty flavour; it's chewy texture is caused by the high fibre bran. Brown rice absorbs more water and takes longer to cook than white rice does.

**Wild Rice**
Is prepared in the same manner as traditional rice, although it is actually the seed of an unrelated reed like aquatic plant.
# Purpose and Practice:
- Match the pictures of the starches with the starches description.

## Ingredients
- Page 221, 222
- Match the picture to definition

## Method
- Instructor makes appropriate number of handouts for the class
- Instructor hands out “Picture Match A and B sets” for the students to use as a reference. There are four sets of picture and definitions.
- Students will be split up into groups and work together to match the pictures to the description that is provided.
- Come together as a class to go over the activity.

## Cooking Time
- 30 minutes

## Essential Skills being practiced
- Document Use
- Thinking Skills
- Reading Skills

## Tip:
- [ ] Document Use
- [ ] Thinking Skills
- [ ] Reading Skills
Red Potatoes
Have a thin red skin and crisp, white, waxy flesh best suited to boiling or steaming. They do not have the dry, mealy texture successful baking requires.

Russet
Also referred to as Idaho Potatoes, are the standard baking potatoes. Russets are excellent baked and are the best potatoes for frying.

Sweet Potatoes
Sweet potatoes are from a different botanical family than ordinary potatoes. Two types are commonly available. One has a yellow flesh and a dry mealy texture white sweet potato. The other has a darker orange, moister flesh and is high in sugar.

Yams
Botanically different from both sweet and common potatoes, Yams are less sweet than sweet potatoes. Flesh of yams changes from creamy white to deep red.
Converted rice
Is Parboiled to remove the surface starch. This procedure also forces nutrients from the bran into the endosperm. Therefore, converted rice retains more nutrients than he regular milled white rice, although the flavour is the same.

Arborio rice
Is a round, short grained rice used primarily in Italian dishes such as risotto. It is very sticky, with a white color and mild flavour.

Basmati Rice
Is one of the finest long grained rice in the world. It grows in the Himalayan foothills and is preferred in Indian cuisine. Jasmine rice another aromatic long grain rice. It is grown in Thailand.

Brown Rice
Is the whole natural grain of rice. Brown rice has a nutty flavour; it’s chewy texture is caused by the high fibre bran. Brown rice absorbs more water and takes longer to cook than white rice does.

Wild Rice
Is prepared in the same manner as traditional rice, although it is actually the seed of an unrelated reed like aquatic plant.
### Purpose and Practice:

- To match the definitions with the appropriate Starch.

---

### Ingredients

<table>
<thead>
<tr>
<th>Page</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>224</td>
<td>Definition Match</td>
</tr>
<tr>
<td>225</td>
<td>Definition Match</td>
</tr>
<tr>
<td></td>
<td>Answer Key</td>
</tr>
</tbody>
</table>

### Method

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Instructor makes appropriate number of the definition match handouts for the class.</td>
</tr>
<tr>
<td>Instructor hands out “Definition Match” sheet for the students to use.</td>
</tr>
<tr>
<td>Students will take the sheets provided and add the names of the starches to description that is provided.</td>
</tr>
<tr>
<td>Come together as a class to go over the activity.</td>
</tr>
</tbody>
</table>

---

### Cooking Time

- 30 minutes

### Essential Skills being practiced

- ✔ Document Use
- ✔ Thinking Skills
- ✔ Reading skills

### Tip:

- Document Use
- Thinking Skills
- Reading skills
STARCHES - DEFINITION MATCH

Write the name of the starch above the definition

A. Botanically different from both sweet and common potatoes. They are less sweet than sweet potatoes. Flesh changes from creamy white to deep red.

B. Is the whole natural grain of rice. This rice has a nutty flavour; its chewy texture is caused by the high fibre bran. Absorbs more water and takes longer to cook than white rice does.

C. Is parboiled to remove the surface starch. This procedure also forces nutrients from the bran into the endosperm. Therefore, this rice retains more nutrients than regular milled white rice, although the flavour is the same.

D. One of the finest long grained rice in the world. It grows in the Himalayan foothills and is preferred in Indian cuisine. It is highly aromatic, with a sweet, delicate flavour and a creamy color. It is grown in Thailand.

E. This rice is prepared in the same manner as traditional rice, although it is actually the seed of an unrelated reed like aquatic plant.

F. These potatoes have a thin red skin and crisp, white, waxy flesh best suited to boiling or steaming they do not have the dry, mealy texture successful baking requires.

G. This rice is a round, short grained rice used primarily in Italian dishes such as risotto. It is very sticky, with a white color and mild flavour.

H. Also referred to as Idaho Potatoes, are the standard baking potatoes. They are excellent baked and are the best potatoes for frying.

I. From a different botanical family than ordinary potatoes. Two types are commonly available. One has a yellow flesh and a dry mealy texture white sweet potato. The other has a darker orange, moister flesh and is high in sugar.
## STARCHES - DEFINITION MATCH - ANSWERS

Write the name of the starch above the definition

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>
| A. | **Yams**  
Botanically different from both sweet and common potatoes. They are less sweet than sweet potatoes. Flesh changes from creamy white to deep red. |
| B. | **Wild Rice**  
Is the whole natural grain of rice. This rice has a nutty flavour; its chewy texture is caused by the high fibre bran. Absorbs more water and takes longer to cook than white rice does. |
| C. | **Converted Rice**  
Is parboiled to remove the surface starch. This procedure also forces nutrients from the bran into the endosperm. Therefore, this rice retains more nutrients than the regular milled white rice, although the flavour is the same. |
| D. | **Basmati Rice**  
One of the finest long grain rice in the world. It grows in the Himalayan foothills and is preferred in Indian cuisine. It is highly aromatic, with a sweet, delicate flavour and a creamy color. It is grown in Thailand. |
| E. | **Wild Rice**  
This rice is prepared in the same manner as traditional rice, although it is actually the seed of an unrelated reed like aquatic plant. |
| F. | **Red Potatoes**  
These potatoes have a thin red skin and crisp, white, waxy flesh best suited to boiling or steaming they do not have the dry, mealy texture successful baking requires. |
| G. | **Arborio Rice**  
This rice is a round, short grained rice used primarily in Italian dishes such as risotto. It is very sticky, with a white color and mild flavour. |
| H. | **Russet Potatoes**  
Also referred to as Idaho Potatoes, are the standard baking potatoes. They are excellent baked and are the best potatoes for frying. |
| I. | **Sweet Potatoes**  
From a different botanical family than ordinary potatoes. Two types are commonly available. One has a yellow flesh and a dry mealy texture white sweet potato. The other has a darker orange, moister flesh and is high in sugar. |
Recipe

From the kitchen of

**LESSON PLAN - STARCHES - WORD SCRABBLE EXERCISE**

**Purpose and Practice:**

- To become more familiar with the words and definitions of starches.

**Ingredients**

<table>
<thead>
<tr>
<th>Page 227</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Word Scrabble</td>
<td>- Instructor makes appropriate number of the Word Scramble handouts for the class</td>
</tr>
<tr>
<td>Exercise</td>
<td>- Instructor hands out &quot;Word Scramble Exercise&quot; sheet for the students to use.</td>
</tr>
<tr>
<td></td>
<td>- Students will look at the words that are mixed up on the handout and using the definitions provided unscramble the words and write on the line above the definition provided.</td>
</tr>
<tr>
<td>Page 228</td>
<td>- Come together as a class to go over the activity with instructors answer key.</td>
</tr>
<tr>
<td>Word Scrabble</td>
<td>Exercise Answer</td>
</tr>
<tr>
<td>Exercise Answer</td>
<td>Key</td>
</tr>
</tbody>
</table>

**Cooking Time**

- 30 minutes

**Essential Skills being practiced**

- Document Use
- Thinking Skills
- Reading Skills

**Tip:**

-御膳
STARCHES - WORD SCRABBLE EXERCISE

Match the definition to the mixed up word and correctly spell

<table>
<thead>
<tr>
<th>Nbwon cire</th>
<th>dwli icer</th>
<th>tamsabi crie</th>
<th>obraori ider</th>
<th>tordevcen</th>
</tr>
</thead>
<tbody>
<tr>
<td>icer myas</td>
<td>tospaeot tewse</td>
<td>poteoats setrus</td>
<td></td>
<td>atpeotos erd</td>
</tr>
</tbody>
</table>

A. This rice is prepared in the same manner as traditional rice, although it is actually the seed of an unrelated reed like aquatic plant.

B. Botanically different from both sweet and common potatoes. They are less sweet than sweet potatoes. Flesh changes from creamy white to deep red.

C. Is the whole natural grain of rice. This rice has a nutty flavour; its chewy texture is caused by the high fibre bran. Absorbs more water and takes longer to cook than white rice does.

D. These potatoes have a thin red skin and crisp, white, waxy flesh best suited to boiling or steaming they do not have the dry, mealy texture successful baking requires.

E. This rice is a round, short grained rice used primarily in Italian dishes such as risotto. It is very sticky, with a white color and mild flavour.

F. Is parboiled to remove the surface starch. This procedure also forces nutrients from the bran into the endosperm. Therefore, this rice retains more nutrients than he regular milled white rice, although the flavour is the same.

G. From a different botanical family than ordinary potatoes. Two types are commonly available. One has a yellow flesh and a dry mealy texture white sweet potato. The other has a darker orange, moister flesh and is high in sugar.

H. One of the finest long grained rice in the world. It grows in the Himalayan foothills and is preferred in Indian cuisine. It is highly aromatic, with a sweet, delicate flavour and a creamy color. It is grown in Thailand.

I. Also referred to as Idaho Potatoes, are the standard baking potatoes. They are excellent baked and are the best potatoes for frying.
STARCHES - WORD SCRABBLE EXERCISE - ANSWERS

Match the definition to the mixed up word and correctly spell

<table>
<thead>
<tr>
<th>Nbwon cire</th>
<th>dwli icer</th>
<th>tamsabi crie</th>
<th>obraori ider</th>
<th>tordevcen</th>
</tr>
</thead>
<tbody>
<tr>
<td>icer myas</td>
<td>tospaeot tewse</td>
<td>poteoats setrus</td>
<td>atpeotos erd</td>
<td></td>
</tr>
</tbody>
</table>

A. **Wild Rice**
   This rice is prepared in the same manner as traditional rice, although it is actually the seed of an unrelated reed like aquatic plant.

B. **Yams**
   Botanically different from both sweet and common potatoes. They are less sweet than sweet potatoes. Flesh changes from creamy white to deep red.

C. **Brown Rice**
   Is the whole natural grain of rice. This rice has a nutty flavour; its chewy texture is caused by the high fibre bran. Absorbs more water and takes longer to cook than white rice does.

D. **Red Potatoes**
   These potatoes have a thin red skin and crisp, white, waxy flesh best suited to boiling or steaming they do not have the dry, mealy texture successful baking requires.

E. **Arborio Rice**
   This rice is a round, short grained rice used primarily in Italian dishes such as risotto. It is very sticky, with a white color and mild flavour.

F. **Converted Rice**
   Is parboiled to remove the surface starch. This procedure also forces nutrients from the bran into the endosperm. Therefore, this rice retains more nutrients than he regular milled white rice, although the flavour is the same.

G. **Sweet Potatoes**
   From a different botanical family than ordinary potatoes. Two types are commonly available. One has a yellow flesh and a dry mealy texture white sweet potato. The other has a darker orange, moister flesh and is high in sugar.

H. **Basmati Rice**
   One of the finest long grained rice in the world. It grows in the Himalayan foothills and is preferred in Indian cuisine. It is highly aromatic, with a sweet, delicate flavour and a creamy color. It is grown in Thailand.

I. **Russet Potatoes**
   Also referred to as Idaho Potatoes, are the standard baking potatoes. They are excellent baked and are the best potatoes for frying.
LESSON PLAN - STARCHES - WHEAT

Recipe

From the kitchen of VEGETABLES & STARCHES

Purpose and Practice:
- Reading and comprehension exercise.

Ingredients
- Page 230
- Reading Passage
- with questions
- exercise
- Page 231
- Answer Key

Method
- Instructor makes appropriate number of the Wheat handouts for the class
- Instructor hands out "Reading and Comprehension Exercise" sheet for the students to use.
- Students will read the information that is provided and answer the questions at the bottom of the page.
- Come together as a class to go over the activity with instructors answer key.

Cooking Time
- 30 minutes

Essential Skills being practiced
- Document Use
- Thinking Skills
- Reading skills

Tip:
WHEAT - READING AND COMPREHENSION EXERCISE

Wheat is most often milled into the wide range of flours. Wheat and wheat products derived from it are also used as starchy side dishes or ingredients in soups, salads, ground meat dishes and breads. These products include cracked wheat, bulgur, and couscous.

**Cracked Wheat** – is the whole wheat kernel broken into various degrees of coarseness. Cracked wheat can be cooked by long gentle simmering.

**Barley** - Is one of the oldest culinary grains, used by humans since prehistoric times. The most common type is pearled to produce small, round white nugget of endosperm. It has a sweet earthly flavour similar to oats. Its starchiness can be used to thicken soups or stews.

**Oats** – After rice, oats are probably the most widely accepted whole grain product in the North America diet. Oats are consumed daily as a hot breakfast cereal. It is used in breads muffins cookies and other baked goods

**STORING** – all grains should be stored in an airtight containers placed in a dark, cool, dry place. Airtight containers prevent dust and insects from entering. Airtight containers and darkness also reduce nutrient loss.

**Instructions:**

Read the passage about wheat and using that information, answer the questions below.

1. What is one of the most widely accepted whole grains in North America?

2. What do air tight containers prevent?

3. How do you reduce nutrient loss in grains?

4. Due to its starchiness what can barley be used for?

5. What is one way to cook cracked wheat?

6. Wheat is used as an ingredient in what types of foods?
WHEAT - READING AND COMPREHENSION EXERCISE - ANSWERS

Wheat is most often milled into the wide range of flours. Wheat and wheat products derived from it are also used as starchy side dishes or ingredients in soups, salads, ground meat dishes and breads. These products include cracked wheat, bulgur, and couscous.

**Cracked Wheat** – is the whole wheat kernel broken into various degrees of coarseness. Cracked wheat can be cooked by long gentle simmering.

**Barley** - is one of the oldest culinary grains, used by humans since prehistoric times. The most common type is pearled to produce small, round white nugget of endosperm. It has a sweet earthly flavour similar to oats. Its starchiness can be used to thicken soups or stews.

**Oats** – After rice, oats are probably the most widely accepted whole grain product in the North America diet. Oats are consumed daily as a hot breakfast cereal. It is used in breads muffins cookies and other baked goods.

**STORING** – all grains should be stored in an airtight containers placed in a dark, cool, dry place. Airtight containers prevent dust and insects from entering. Airtight containers and darkness also reduce nutrient loss.

Instructions:

Read the passage about wheat and using that information, answer the questions below.

1. What is one of the most widely accepted whole grains in North America?
   **Oats**

2. What do air tight containers prevent?
   **Airtight containers prevent dust and insects from entering**

3. How do you reduce nutrient loss in grains?
   **Airtight containers and darkness  reduce nutrient loss.**

4. Due to its starchiness what can barley be used for?
   **Can be used to thicken soups or stews.**

5. What is one way to cook cracked wheat?
   **Cracked wheat can be cooked by long gentle simmering.**

6. Wheat is used as an ingredient in what types of foods?
   **Can be used as ingredients in soups, salads, ground meat dishes and breads.**
## Purpose and Practice:

- To work on the words in the vegetable and starches module.

### Ingredients

<table>
<thead>
<tr>
<th>Page 233</th>
<th>Word Search Exercise</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Page 234</th>
<th>Word Search Exercise</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Answer Key</th>
<th>Word Search Exercise</th>
</tr>
</thead>
</table>

### Method

- Instructor makes appropriate number of the word search handouts for the class
- Instructor hands out “Word Search Exercise” sheet for the students to use.
- Students will use the words on the bottom of the page and find those words in the word search above.
- Come together as a class to go over the activity with instructors answer key.

### Cooking Time

30 minutes

### Essential Skills being practiced

- Document Use
- Thinking Skills
- Reading skills
STARCHES WORD SEARCH

storing bio oat

baking coke cream

corn

cracked wheat barley storing

oats long short

medium grain rice

arborio basmati brown

wild yams russet

red potatoes sweet

234
STARCHES WORD SEARCH - ANSWERS

(L4, W) cracked wheat  (K6, W) barley  (A1, E) storing
(J5, S) oats  (H6, SW) long  (F3, W) short
(H2, SW) medium  (I5, S) grain  (J9, NW) rice
(K8, N) arborio  (B8, N) basmati  (B8, E) brown
(E8, SW) wild  (L5, S) yams  (G8, NW) russet
(C8, SW) red  (A8, N) potatoes  (E6, NE) sweet
(E7, SW) corn

TO FIND THE WORD USE THE LEGEND. THE WORD STARTS WHERE THE TWO LINES MEET (L AND 4 IN THE CASE OF CRACKED WHEAT) AND MOVES IN THE DIRECTION INDICATED (I.E. W = WEST, SE = SOUTH EAST AND SO ON)
## Purpose and Practice:

- To work on Starches vocabulary.

## Ingredients

<table>
<thead>
<tr>
<th>Page 236</th>
<th>Numbered Word Definition Exercise</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 237</td>
<td>Numbered Word Definition Answer Key</td>
</tr>
</tbody>
</table>

## Method

- Instructor makes appropriate number of the word search handouts for the class.
- Instructor hands out "Word Search Exercise" sheet for the students to use.
- Students will use the words on the bottom of the page and find those words in the word search above.
- Come together as a class to go over the activity with instructors answer key.

## Cooking Time

30 minutes

## Essential Skills being practiced

- Document Use
- Thinking Skills
- Reading Skills

### Tip:

- Document Use
- Thinking Skills
- Reading Skills
STARCHES DEFINITIONS - NUMBERED WORD DEFINITION MATCH

Match the description on the right with the list on the left, write the name next to the definition.

1. Cracked Wheat: waxy flesh best suited to boiling or steaming
2. Short grain rice: finest long grained rice in the world
3. Russet: grains remain firm, fluffy and separate when cooked
4. Arborio rice: native to the new world
5. Yams: flesh changes from creamy white to deep red
6. Oats: cooked by long gentle simmering
7. Red Potatoes: quite tender and sticky when cooked
8. Wild Rice: the seed of an unrelated reed-like aquatic plant
9. Sweet Potatoes: only grain that can be eaten as a fresh vegetable
10. Brown Rice: different botanical family than ordinary potatoes
11. Long grain rice: best potatoes for frying
12. Potatoes: are consumed daily as a hot breakfast cereal
13. Basmati Rice: rice absorbs more water and takes longer to cook
14. Barley: Parboiled to remove the surface starch
15. Converted rice: is very sticky, with a white color and mild flavour
16. Corn: Can be used to thicken soups or stews.
**STARCHES DEFINITIONS - NUMBERED WORD DEFINITION MATCH ANSWERS**

Match the description on the right with the list on the left, write the name next to the definition.

1. Cracked Wheat  **Red Potatoes** : waxy flesh best suited to boiling or steaming
2. Short grain rice  **Basmati Rice** : finest long grained rice in the world
3. Russet  **Long grain rice** : grains remain firm, fluffy and separate when cooked
4. Arborio rice  **Potatoes** : native to the new world
5. Yams  **Yams** : flesh changes from creamy white to deep red
6. Oats  **Cracked Wheat** : cooked by long gentle simmering
7. Red Potatoes  **Short grain rice** : quite tender and sticky when cooked
8. Wild Rice  **Wild Rice** : the seed of an unrelated reed like aquatic plant
9. Sweet Potatoes  **Corn** : only grain that can be eaten as a fresh vegetable
10. Brown Rice  **Sweet Potatoes** : different botanical family than ordinary potatoes
11. Long grain rice  **Russet** : best potatoes for frying
12. Potatoes  **Oats** : are consumed daily as a hot breakfast cereal
13. Basmati Rice  **Brown Rice** : rice absorbs more water and takes longer to cook
14. Barley  **Converted rice** : Parboiled to remove the surface starch
15. Converted rice  **Arborio rice** : is very sticky, with a white color and mild flavour
16. Corn  **Barley** : Can be used to thicken soups or stews.
LESSON PLAN - STARCHES - GRAINS

**Purpose and Practice:**

- To work on Grains vocabulary.

**Ingredients**

<table>
<thead>
<tr>
<th>Page 239</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grains - Exercise</td>
<td>- Instructor makes appropriate number of the word search handouts for the class</td>
</tr>
<tr>
<td></td>
<td>- Instructor hands out &quot;Word Search Exercise&quot; sheet for the students to use.</td>
</tr>
<tr>
<td>Page 240</td>
<td>- Students will use the words on the bottom of the page and find those words in the word search above.</td>
</tr>
<tr>
<td>Grains - Answer</td>
<td>- Come together as a class to go over the activity with instructors answer key.</td>
</tr>
<tr>
<td>Key</td>
<td></td>
</tr>
</tbody>
</table>

**Cooking Time**

- 30 minutes

**Essential Skills being practiced**

- Document Use
- Thinking Skills
- Reading skills

**Tip:**
Grains are _______ that bear edible seeds. Corn, rice, and wheat are the most significant.

Rice – is the starchy seed of a semiaquatic grass. Rice is used as a staple for half the world’s population. Rice is divided into three types based on seed: ________, _______ and ____________.

Corn – is the only grain that can be eaten as a ________ vegetable. Cornmeal is made by ________ and __________ a special type of corn known as dent, which may be yellow, white or blue.

Long grain rice - is most versatile and popular, the grains remain ________, _______ and ____________ when cooked.

Short grain rice - has more starch and becomes quite tender and ________ when cooked. Italian risotto, Japanese sushi is all traditionally made with short grain rice.

Medium Grain rice - the appearance and starch content of medium grained rice falls somewhere in between.

All rice is ____________ brown.
Grains are Grasses that bear edible seeds. Corn, rice, and wheat are the most significant.

Rice – is the starchy seed of a semiaquatic grass. Rice is used as a staple for half the world’s population. Rice is divided into three types based on seed: Long grain, Medium grain and Short grain.

Corn – is the only grain that can be eaten as a Fresh vegetable. Cornmeal is made by Drying and Grinding a special type of corn known as dent, which may be yellow white or blue.

Long grain rice - is most versatile and popular, the grains remain Firm, Fluffy and Separate when cooked.

Short grain rice - has more starch and becomes quite tender and Sticky when cooked. Italian risotto, Japanese sushi is all traditionally made with short grain rice.

Medium Grain rice - the appearance and starch content of medium grained rice falls somewhere in between.

All rice is Originally brown.
COLD KITCHEN - SALADS & DRESSINGS
## Purpose and Practice:

- Reading material previously studied in class and remembering what was learned.

## Ingredients

- Page 244
  - Salad Greens

- Page 245
  - Salad Dressings

- Page 246
  - Preparation Methods

## Method

- Instructor makes appropriate number of handouts of the 3 study sheets for the class
- Instructor hands out “Cold Kitchen Study Sheets” and reviews information with the class

## Cooking Time

20 minutes

## Essential Skills being practiced

- Thinking Skills
- Reading Text

## Tip:

- COLD KITCHEN
COLD KITCHEN - STUDY SHEET

SALAD GREENS

LETTUCE
Most common types of lettuce are butterleaf, iceberg, leaf, and romaine.

ICEBERG
Iceberg lettuce is the most common out of all the varieties. Iceberg lettuce remains crisp for a relatively long period of time after being out. Select head that are firm but not hard and leaves that are free of rusty tips.

LEAF
Leaf lettuce grows in bunches. It has a separate ruffle edged leaves branching from the stalk. It is easily damaged during harvest and transport.

ROMAINE
Romaine lettuce also known as cos, is a loosely packed head lettuce with elongated leaves and think midribs. The outer leaves are dark green. Romaine has enough flavour to stand up to strongly flavoured dressing such as the garlic and parmesan cheese used in a caesar salad.

CHICORY

BELGIAN ENDIVE
Belgian endive (Witoof) grows in small tight heads with pointed leaves. It is actually the shoot of a chicory plant.

RADICCHIO
Resembles a small red cabbage. Is popular braised or grilled. Due to its attractive colour radicchio is popular in cold salads, but has a bitter flavour and should be used sparingly and mixed with other greens in a tossed salad.
SALAD DRESSINGS

(dressing) for a salad should complement rather than mask the flavours of the other ingredients. Most are based on either a mixture of oil and vinegar, called vinaigrette, or a mayonnaise or other emulsified product.

VINAIGRETTE DRESSINGS

The simple vinaigrette, also known as basic French dressing, is a temporary emulsion of oil and vinegar seasoned with salt, pepper and mustard. The standard ration is 3 parts oil to 1 part vinegar.

Oil and vinegar repel each other and will separate almost immediately when mixed. They should be whisked immediately before use.

OILS

Many types of oils can be used to make salad dressings. Light, neutral-flavoured oils such as canola, corn, cottonseed, soybean, and safflower are relatively low priced and used extensively for this purpose.

VINEGARS

Many different types of vinegar can be used to make salad dressings. Red wine vinegar is the most common because it is inexpensive and its flavour blends well with many foods. But other vinegars such as cider, balsamic, white wine and rice are also used. Acidic juices such as lemon, orange and lime are sometimes substituted for all or part of the vinegar in a salad.

MAYONNAISE

Mayonnaise is an emulsified sauce. An emulsified sauce is formed when two liquids that would not ordinarily form a stable mixture are forced together and held in suspension. The higher the proportion of oil to vinegar, the thicker the sauce will be.

EMULSIFIED VINAIGRETTE DRESSINGS

An emulsified vinaigrette is a standard vinaigrette dressing emulsified with whole eggs, modified starches or vegetable gum. Its taste is similar to basic vinaigrette, but will not separate and it clings to green quite easily.
PREPARATION METHODS

There are two types of green salads: tossed and composed. The more informal tossed salad is prepared by placing the greens, garnishes and dressing in a large bowl and tossing to combine. A composed salad usually has a more elegant look to it. It is prepared by arranging each of the ingredients on plates in an artistic fashion. Bound salads, which are cooked meats, poultry, fish, shellfish, pasta or potato bound with a dressing, the binding agent can be either vinaigrette or mayonnaise based. Vegetable salad and fruit salad are other types of salads that can be made.

There are usually four components: the base, body, garnish and dressing.

The base is usually salad greens that partially line or anchor the plate on which the salad will be served. Depending on the desired effect, the leaves can be cup shaped or flat.

The body is the main ingredient. It can be lettuce or other greens, or another salad made from cooked or blended ingredients, such as chicken salad or fruit salad.

The garnish is added to the salad for color, texture and flavour. It can be substantial as a grilled, sliced duck breast of as simple as a sprinkling of chopped herbs; it can be warm or cold. The choice is unlimited but whatever is used should complement and balance the flavour of the body.

The salad dressing should complement rather than mask the other flavours in the salad. If the body already contains a dressing, as in a bound salad, additional dressing may not be necessary.
Purpose and Practice:

- Students will practice recalling the information that was read during Lesson Plan 1: Cold Kitchen Study Sheets

Ingredients

- Page 248
  - Cold Kitchen – Fill in the Blanks

- Page 249
  - Cold Kitchen – Fill in the Blanks – Answer Key

Method

- Instructor makes appropriate number of “Cold Kitchen – Fill in the Blanks” exercise sheets
- Instructor hands out “Cold Kitchen - Fill in the Blanks” exercise sheet to the class
- Once completed, Instructor will go over the information with the class using the answer sheet in the kit

Cooking Time

- 30 minutes

Essential Skills being practiced

- Thinking Skills
- Document Use

Tip: 

Recipe

From the kitchen of COLD KITCHEN
COLD KITCHEN - FILL IN THE BLANKS

Use the words below to fill in the blanks of the sentences.

<table>
<thead>
<tr>
<th>leaf</th>
<th>emulsion</th>
<th>composed</th>
<th>garnish</th>
</tr>
</thead>
<tbody>
<tr>
<td>iceberg</td>
<td>belgian endive</td>
<td>bound salads</td>
<td>dressing</td>
</tr>
<tr>
<td>romaine</td>
<td>vinaigrette</td>
<td>base</td>
<td></td>
</tr>
<tr>
<td>radicchio</td>
<td>tossed</td>
<td>body</td>
<td></td>
</tr>
</tbody>
</table>

1. Most common types of lettuce are butterleaf, ____________, ____________, and ____________

2. The ____________ is usually salad greens that partially line or anchor the plate on which the salad will be served.

3. The simple ____________, also known as basic French dressing, is a temporary ____________ of oil and vinegar seasoned with salt, pepper and mustard.

4. The more informal ____________ salad is prepared by placing the greens, garnishes and dressing in a large bowl and tossing to combine.

5. Due to its attractive colour ____________ is popular in cold salads.

6. The salad ____________ should complement rather than mask the other flavours in the salad.

7. It is actually the shoot of a chicory plant. ____________ (Witoof) grows in small tight heads with pointed leaves.

8. Prepared by arranging each of the ingredients on plates in an artistic fashion. A, ____________ salad has a more elegant look to it.

9. The ____________ is the main ingredient. It can be lettuce or other greens, or another salad made from cooked or blended ingredients.

10. Salads that have cooked meats, poultry, fish, shellfish, pasta or potato bound with a dressing are called ____________

11. The ____________ is added to the salad for color, texture and flavour.
1. Most common types of lettuce are butterleaf, ___leaf___, ___iceberg___,
   and ___romaine___

2. The ___base___ is usually salad greens that partially line or anchor the plate
   on which the salad will be served.

3. The simple ___vinaigrette___, also known as basic French dressing, is a temporary
   ___emulsion___ of oil and vinegar seasoned with salt, pepper and mustard.

4. The more informal ___tossed___ salad is prepared by placing the greens,
   garnishes and dressing in a large bowl and tossing to combine

5. Due to its attractive colour ___radicchio___ is popular in cold salads.

6. The salad ___dressing___ should complement rather than mask the other
   flavours in the salad.

7. It is actually the shoot of a chicory plant. ___belgian endive___ (Witoof) grows in
   small tight heads with pointed leaves.

8. Prepared by arranging each of the ingredients on plates in an artistic fashion.
   A, ___composed___ salad has a more elegant look to it.

9. The ___body___ is the main ingredient. It can be lettuce or other greens,
   or another salad made from cooked or blended ingredients.

10. Salads that have cooked meats, poultry, fish, shellfish, pasta or potato bound with
    a dressing are called ___bound salad___

11. The ___garnish___ is added to the salad for color, texture and flavour.
# Purpose and Practice:

- To practice matching Cold Kitchen vocabulary to its corresponding definition

## Ingredients

<table>
<thead>
<tr>
<th>Page 251</th>
<th>Cold Kitchen – Word Match</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 252</td>
<td>Cold Kitchen – Word Match</td>
</tr>
<tr>
<td></td>
<td>Answer Key</td>
</tr>
</tbody>
</table>

## Method

- Instructor makes appropriate number of Cold Kitchen Word Match exercise sheets
- Instructor hands out “Cold Kitchen – Hidden Word Match exercise sheet to the class
- Once completed, Instructor will go over the information with the class using the answer sheet in the kit

## Cooking Time

30 minutes

## Essential Skills being practiced

- ✓ Thinking Skills
- ✓ Document Use

Tip:
**COLD KITCHEN - WORDMATCH**

Match the description on the right with the list on the left, write the name next to the definition.

| A. iceberg | Most common out of all the varieties |
| B. leaf | It has a separate ruffle edged leaves branching from the stalk |
| C. romaine | Which are cooked meats, poultry, fish, shellfish, pasta or potato bound with a dressing |
| D. belgian endive | Prepared by arranging each of the ingredients on plates in an artistic fashion |
| E. radicchio | Grows in small tight heads with pointed leaves |
| F. vinaigrette | Added to the salad for color, texture and flavour |
| G. emulsified | Should complement rather than mask the other flavours in the salad |
| H. tossed salad | Loosely packed head lettuce with elongated leaves and think midribs |
| I. composed salad | Is formed when two liquids that would not ordinarily form a stable mixture are forced together and held in suspension |
| J. bound salads | A temporary emulsion of oil and vinegar seasoned with salt, pepper and mustard |
| K. base | Popular in cold salads, but has a bitter flavour and should be used sparingly |
| L. body | The main ingredient |
| M. garnish | Salad greens that partially line or anchor the plate on which the salad will be served |
| N. dressing | Placing the greens, garnishes and dressing in a large bowl and tossing to combine |
COLD KITCHEN - WORDMATCH - ANSWERS

Match the description on the right with the list on the left, write the name next to the definition.

A. iceberg      iceberg     Most common out of all the varieties
B. leaf         leaf        It has a separate ruffle edged leaves branching from the stalk
C. romaine      bound salads Which are cooked meats, poultry, fish, shellfish, pasta or potato bound with a dressing
D. belgian endive salad Prepared by arranging each of the ingredients on plates in an artistic fashion
E. radicchio    iceberg      Grows in small tight heads with pointed leaves
F. vinaigrette  radicchio    Added to the salad for color, texture and flavour
G. emulsified   dressing     Should complement rather than mask the other flavours in the salad
H. tossed salad  romaine     Loosely packed head lettuce with elongated leaves and think midribs
I. composed salad emulsified Is formed when two liquids that would not ordinarily form a stable mixture are forced together and held in suspension
J. bound salads  vinaigrette A temporary emulsion of oil and vinegar seasoned with salt, pepper and mustard
K. base         radicchio    Popular in cold salads, but has a bitter flavour and should be used sparingly
L. body         body         The main ingredient
M. garnish      base         Salad greens that partially line or anchor the plate on which the salad will be served
N. dressing     tossed salad Placing the greens, garnishes and dressing in a large bowl and tossing to combine
LESSON PLAN - COLD KITCHEN - HIDDEN WORD PUZZLE

From the kitchen of COLD KITCHEN

Purpose and Practice:
• To practice locating learned Cold Kitchen vocabulary in a puzzle format

Ingredients

Page 254
Cold Kitchen – Hidden Word Puzzle

Method

• Instructor makes appropriate number of Cold Kitchen Hidden Word Puzzle exercise sheets
• Instructor hands out “Cold Kitchen – Hidden Word Puzzle” exercise sheet to the class
• Learners can refer to the Hidden Word Answer Key if they are struggling to find a word or they can compare with their co-learners

Page 255
Cold Kitchen – Hidden Word Puzzle Answer Key

Cooking Time
20 minutes

Essential Skills being practiced
✓ Thinking Skills
✓ Document Use

Tip:
COLD KITCHEN - HIDDEN WORD PUZZLE

Find the words below in this word search puzzle.

iceberg  leaf  romaine
dressing  body  vinaigrette
emulsified  raddicchio  tossed
belgian endive  composed  salad
base  garnish  bound
COLD KITCHEN - HIDDEN WORD PUZZLE - ANSWERS

Find the words below in this word search puzzle.

- iceberg
- leaf
- romaine
- dressing
- body
- vinaigrette
- emulsified
- raddicchio
- tossed
- belgian endive
- composed
- salad
- base
- garnish
- bound
## Purpose and Practice:

- To practice unscrambling learned Cold Kitchen vocabulary in a scrambled word puzzle format

### Ingredients

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 257</td>
<td></td>
</tr>
<tr>
<td>Cold Kitchen – Word Scramble</td>
<td></td>
</tr>
<tr>
<td>Page 258</td>
<td></td>
</tr>
<tr>
<td>Cold Kitchen – Word Scramble</td>
<td></td>
</tr>
<tr>
<td>Puzzle Answer Key</td>
<td></td>
</tr>
</tbody>
</table>

### Method

- Instructor makes appropriate number of Cold Kitchen Word Scramble exercise sheets
- Instructor hands out “Cold Kitchen – Word Scramble” exercise sheet to the class
- Once completed, Instructor will go over the information with the class using the answer sheet in the kit

### Cooking Time

- 30 minutes

### Essential Skills being practiced

- Thinking Skills
- Document Use

### Tip:

This exercise can be challenging for some. Try working in pairs.
COLD KITCHEN - WORD SCRAMBLE

Find the correct spelling for the scrambled words below.

<table>
<thead>
<tr>
<th>crbggee</th>
<th>arintietgv</th>
<th>eomarni</th>
</tr>
</thead>
<tbody>
<tr>
<td>ichoaicrd</td>
<td>ostsde ladsa</td>
<td>iflleeudsm</td>
</tr>
<tr>
<td>eabs</td>
<td>hnrisag</td>
<td>eisngsrd</td>
</tr>
<tr>
<td>elaf</td>
<td>iasaemnonyn</td>
<td>gibilane dienve</td>
</tr>
<tr>
<td>pedmosco lasda</td>
<td>Nodub asdal</td>
<td>doyb</td>
</tr>
</tbody>
</table>
### COLD KITCHEN - WORD SCRAMBLE - ANSWERS

Find the correct spelling for the scrambled words below.

<table>
<thead>
<tr>
<th>Scrambled Word</th>
<th>Correct Spelling</th>
</tr>
</thead>
<tbody>
<tr>
<td>crbgeei</td>
<td>iceberg</td>
</tr>
<tr>
<td>arientietgv</td>
<td>vinaigrette</td>
</tr>
<tr>
<td>eomarni</td>
<td>romaine</td>
</tr>
<tr>
<td>ichoicrd</td>
<td>radicchio</td>
</tr>
<tr>
<td>ostsde ladsa</td>
<td>tossed salad</td>
</tr>
<tr>
<td>iflieeudsm</td>
<td>emulsified</td>
</tr>
<tr>
<td>eabs</td>
<td>base</td>
</tr>
<tr>
<td>hnrisag</td>
<td>garnish</td>
</tr>
<tr>
<td>eisngsrd</td>
<td>dressing</td>
</tr>
<tr>
<td>elaf</td>
<td>leaf</td>
</tr>
<tr>
<td>iasaemnony</td>
<td>mayonnaise</td>
</tr>
<tr>
<td>giblaine dienve</td>
<td>belgian endive</td>
</tr>
<tr>
<td>pedmosco lasda</td>
<td>composed salad</td>
</tr>
<tr>
<td>Nodub asdal</td>
<td>bound salad</td>
</tr>
<tr>
<td>doyb</td>
<td>body</td>
</tr>
</tbody>
</table>
Recipe

From the kitchen of

COLD KITCHEN

**Purpose and Practice:**

- To work as a team to review the principles behind the preparation of Hot or Cold Sandwiches

---

**Ingredients**

<table>
<thead>
<tr>
<th>Page</th>
<th>Hot or Cold Sandwiches Poster</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page</td>
<td>Hot or Cold Sandwiches Exercise</td>
</tr>
<tr>
<td>Page</td>
<td>Hot or Cold Sandwiches Exercise Answer Key</td>
</tr>
</tbody>
</table>

**Method**

- Instructor makes appropriate number of Hot or Cold Sandwiches Posters
- Instructor makes appropriate number of Hot or Cold Sandwiches exercise sheets
- Instructor divides the class into small groups
- Instructor hands out exercise sheet to the class and a poster for each team
- Once completed, Instructor will go over the information with the class using the answer sheet in the kit

---

**Cooking Time**

30 minutes

**Essential Skills being practiced**

- Document Use
- Thinking Skills
- Working with Others

**Tip:** Hang the poster in a strategic place for easy reference after the exercise has taken place.
HOT or COLD Sandwiches

Sandwiches must be prepared under strict sanitation and hygiene conditions because they are generally served uncooked.

GENERAL RULES:
1: Correct sanitation procedures observed.
2: Only quality products used.
3: All products are fresh.
4: Moisture balance is correct.
5: Proper work methods have been followed, particularly with respect to neatness, productivity and convenience.
6: The product is appealing to the eye; your sandwich should be neat, arranged appealing and garnished appropriately.
7: Portion size is appropriate.
8: The cost of food is within the range allotted for it.

Freshness is one of the major qualities desired, whether the sandwich is prepared to order or mass produced. You should carefully estimate the number of sandwiches you need in a day and never keep or use sandwiches that are over twenty four hours old.

BREADS
As well as ensuring that the bread is fresh, it is also desirable to use a variety of breads in sandwich making.

SPREADS
Spreads softened butter or margarine to the edges of the bread slices. Softened butter, margarine, cream cheese and peanut butter will form a protective coating that prevents moist fillings from soaking the bread.

Mayonnaise or salad dressing, if spread directly onto the bread will also soak into the soggy bread.

Avoid melted butter or margarine, as these will soak into the bread and make a soggy sandwich.

FILLINGS
Make sure fillings are applied evenly across the bread slice and that enough is used to make the sandwich attractive and appetizing.

Ensure that the filling is neither too dry nor too moist, and that it is correctly seasoned. Make sure that moist fillings such as tuna or egg salad have an easy to spread consistency.

Greens such as lettuce and watercress should be used only in sandwiches that are to be eaten at once.

HOT FILLINGS
The most common type of hot filling is probably the hamburger patty. It is important to remember that when making a sandwich with a hot filling that you ensure the filling is hot. The filling should be cooked until the internal temperature reaches at least 74 degrees C before being removed from the cooking surface. The product may then be held at a temperature not lower than 60 degrees C.
HOT OR COLD SANDWICHES - EXERCISE

Read the poster called Hot or Cold Sandwiches and use the information to answer the questions below:

1. Name 3 general rules about making a hot or cold sandwich?

2. What is one of the major qualities in making a good sandwich?

3. What is the maximum time a sandwich can be kept if not eaten right away?

4. Why should you avoid putting melted butter on a sandwich?

5. When adding the fillings, what is the proper way they should be applied?

6. What is important about the temperature of 74°C?
HOT OR COLD SANDWICHES - EXERCISE - ANSWERS

Read the poster called Hot or Cold Sandwiches and use the information to answer the questions below:

1. Name 3 general rules about making a hot or cold sandwich?
   Refer to poster General Rules: 8 rules that could be used

2. What is one of the major qualities in making a good sandwich?
   Freshness is one of the major qualities in making a sandwich

3. What is the maximum time a sandwich can be kept if not eaten right away?
   The maximum time for a sandwich to be kept is 24 hours

4. Why should you avoid putting melted butter on a sandwich?
   Avoid melted butter as it will make the bread soggy

5. When adding the fillings, what is the proper way they should be applied?
   Fillings should be applied evenly to make it attractive and appetizing

6. What is important about the temperature of 74°C?
   74°C is the internal temperature hot fillings should be cooked to before removing from the cooking surface
# Lesson Plan - Salad Dressings 101 - Introduction

## Purpose and Practice:
- Using excerpts from Chef Nathan Hyam’s “Salad Dressings 101” cookbook, learners will practice reading text and respond to questions regarding the general layout of a cookbook.

## Ingredients
- Pages 264 and 265 Introduction
- Page 266 Cover Page
- Page 267 Contents page
- Page 268, 269, 270 Dressings for all Occasions – Exercise
- Page 271, 272, 273 Dressings for all Occasions Answer Key

## Method
- Instructor makes appropriate number of copies of the Introduction handouts for each learner and one copy of the Exercise sheets.
- Instructor guides learners to read through the information and as a team and record their answers on the exercise sheets.
- Once completed, Instructor posts the answers on a wall and invites the team to come up and check their answers.

## Cooking Time
- 60 minutes

## Essential Skills being practiced
- Document Use
- Thinking Skills
- Working with Others
- Oral Communication
- Writing

## Tip:
Hang the poster in a strategic place for easy reference after the exercise has taken place.
Salad Dressings

Eating fresh raw food is a culinary link to our distant ancestors. Historical records show that the Romans, Egyptians and Babylonians all enjoyed various types of salads with flavoured dressings as a part of their diet thousands of years ago. Foraging for greens and edible plants is part of our cellular memory. The word *salad* conjures up images of health, new growth and pleasant weather. Perhaps this is why eating salads can make you feel so good. They are an edible symbol of nature, a hint of green pastures or a lush country garden right at your table, no matter where you live.

The incredible diversity of produce available today makes an entire new range of dishes possible. However, although the multiplicity of greens and vegetables used in a salad will give a solid foundation of taste to the dish, most people would agree that the key flavouring element is the dressing. A perfectly matched dressing can tie together all the individual elements of a salad to create a culinary symphony.

Matching Dressings to Ingredients

There are infinite ways to transform a bowl of greens just by choosing an appropriate dressing. A carefully chosen dressing can transform a simple salad into a special occasion dish.

The dressing can be a spectacular combination of zesty flavours and aromas but it is best to remember that it is really a seasoning meant to enhance the main ingredients. It should augment their flavours, not overpower them. The art of matching a dressing to a salad calls for some analysis of both the salad ingredients and the dressing.

*Translucent mixtures* of oil and vinegar, with added taste elements such as herbs, are best when paired with a leafy green.

*Creamy dressings* with their thicker texture are ideal with heavier ingredients like vegetables, pastas, grains or potatoes and meats.

*Vinaigrettes* (from the French *vin aigre* - “sour wine”) are very versatile and can be used to dress most types of salads.

(Thank you to Chef Nathan Hyam for giving permission to copy from Salad Dressing 101)
SALAD DRESSINGS 101 - INTRODUCTION (CON’T)

A question to ask in helping you choose a dressing is: Are the flavours of the salad ingredients predominantly strong or mild? A subtly flavoured green like butter lettuce will be overwhelmed by a pungent creamy caesar dressing.

Texture is another important consideration. A soft delicate mache leaf will be squashed by a heavy mayonnaise-based dressing, but the same dressing could be an ideal complement to sliced vegetables or a sturdy lettuce like romaine.

When a salad is a part of a larger meal it is important to determine whether or not the dressing will harmonize with the other flavours in the meal. The herbs or spices used in the salad dressing could compliment the other flavours or clash. A weighty entree like beef stew calls for a light leafy green salad with a simple oil and lemon dressing. A dressing based on orange juice could harmonize well with a curry entree but it would be redundant with an entree of orange ginger chicken.

When to Add the Dressing

The dressing for most salads, in particular leafy greens, should be added as close to the serving time as possible, or separately so the diner can decide on the amount to be added.

It is essential to be aware of the consequences of adding dressing to a green salad too far in advance of it being served. Most dressings contain acids such as vinegar or lemon juice. This acid will cause the greens to wilt and get soggy as soon as the salad is tossed with the dressing. The salad will get soggier as the time increases before it is eaten. However, this rule has an exception. Salads without leafy greens, such as potato or pasta salad, actually improve in flavor when they are allowed to marinate in the dressing for an hour or longer.

Emulsions

The two most common types of dressings are vinaigrettes and creamy dressing. These are both examples of emulsified dressings. Emulsifying means combining two liquids that don't usually mix together easily. In a salad dressing the two liquids would normally be oil and vinegar. Acidic liquids like vinegar or lemon juice help the process a little by changing the pH of the mixture.

Starting with the vinegar in a bowl, the oil is added very slowly, usually a drop by drop, while beating vigorously. This disperses and suspends small drops of the liquids throughout each other. It is essential for the oil to be added slowly or the two liquids will not combine.

The two liquids will remain combined for a short period of time but will soon separate. The harder the mixture is beaten or stirred, the longer it will take to separate. This is because the oil and vinegar are broken into smaller droplets. The smaller the droplets are, the stronger the emulsion is.

To change the temporary emulsion into a permanent emulsion a third ingredient must be added - an emulsifier. Egg yolks and mustard are examples of emulsifiers. They act to stabilize the two different liquids by forming a layer around each of the tiny droplets and holding them in suspension. Mayonnaise is an example of a permanent emulsion. The harder a mayonnaise is beaten to break up the droplets, the more stable it becomes.

It is important to note that emulsions form more easily at room temperature because cold oil is more difficult to break up into small droplets that will create a more stable emulsion.
SALAD DRESSING 101
dressings for all occasions
edited by NATHAN HYAM

METIS SKILLS AND EDUCATION CENTRE LIBRARY
CULINARY ARTS
SALAD DRESSINGS 101 - CONTENTS PAGE

Introduction

1. Salads and Dressings
   - Matching Dressings to Ingredients
   - When to Add the Dressing
   - Emulsions
   - Quality of Ingredients
   - Oils
   - Vinegar
   - Symbols for Matching Greens and Dressings

Vinaigrettes

- Creamy Dressings
- Caesar Recipes
- Low-Fat Recipes
- Noodle and Potato Salads
- Contributors
- Pairing Suggestions
- Index
SALAD DRESSINGS 101 - DRESSINGS FOR ALL OCCASIONS - EXERCISE

Use pages 266 and 267 to answer the following questions.

1. Have a look at the cover page and decide who edited this book called “Salad Dressings 101”:

2. Look at the page opposite the Contents page and find which year the second edition was published:

3. Using the Contents page, answer the following questions:

   Caesar Recipes start on which page?

   What kinds of recipes can be found starting on page 141?

   Where is the Index?
4. Read the Introduction (pg 31, 33) and answer the following questions:

Salads and Dressings:

According to Chef Nathan, what kind of images does the word "salad" conjure up?

Matching Dressings to Ingredients:

Draw a line to match up the type of dressing to the most appropriate salad:

- Creamy Dressings
- Mixture of oil, vinegar and herbs
- Vinaigrettes

Leafy Greens
Most types of salad
Vegetables, pastas

What question should you ask to help you choose a dressing?

What will likely happen if you put a heavy mayonnaise-based dressing on a soft, delicate leaf?

What type of dressing would go well on a salad that is being served with beef stew?

When to Add the Dressing

When should dressing be added to most salads?

What type of salad improves with flavor when allowed to marinate in the dressing?
SALAD DRESSINGS 101 - DRESSINGS FOR ALL OCCASIONS - EXERCISE

Emulsions:

What are the two most common types of dressings?

What does “emulsifying” mean?

Name two emulsifiers that can be added to oil and vinegar to produce a permanent emulsion?

What is an example of a permanent emulsion?

At which temperature do emulsions form more easily?
SALAD DRESSINGS 101 - DRESSINGS FOR ALL OCCASIONS - ANSWERS

Use pages 35 and 37 to answer the following questions.

1. Have a look at the cover page and decide who edited this book called “Salad Dressings 101”:
   Nathan Hyam

2. Look at the page opposite the Contents page and find which year the second edition was published:
   2010

3. Using the Contents page, answer the following questions:
   - Caesar Recipes start on which page?
     91
   - What kinds of recipes can be found starting on page 141?
     Noodle and Potato Salads
   - Where is the Index?
     167
4. Read the Introduction (pg 31, 33) and answer the following questions:

**Salads and Dressings:**

According to Chef Nathan, what kind of images does the word "salad" conjure up?

**Health, new growth and pleasant weather**

**Matching Dressings to Ingredients:**

Draw a line to match up the type of dressing to the most appropriate salad:

- Creamy Dressings: Leafy Greens
- Mixtures of oil, vinegar and herbs: Most types of salad
- Vinaigrettes: Vegetables, pastas

What question should you ask to help you choose a dressing?

**Are the salad ingredients mainly strong or mild?**

What will likely happen if you put a heavy mayonnaise-based dressing on a soft, delicate leaf?

**The dressing will squash the leaf**

What type of dressing would go well on a salad that is being served with beef stew?

**Simple oil and lemon dressing**

**When to Add the Dressing**

When should dressing be added to most salads?

**As close to serving as possible**

What type of salad improves with flavour when allowed to marinate in the dressing?

**Salads without leafy greens, like potato or pasta salad**
Emulsions:

What are the two most common types of dressings?

**Vinaigrettes and creamy dressings**

What does “emulsifying” mean?

**Combining two liquids that don’t usually mix together easily**

Name two emulsifiers that can be added to oil and vinegar to produce a permanent emulsion?

**Egg yolks and mustard**

What is an example of a permanent emulsion?

**Mayonnaise**

At which temperature do emulsions form more easily?

**Room temperature**

(Thank you to Chef Nathan Hyam for giving permission to copy from Salad Dressing 101)
SEAFOOD COOKERY
# LESSON PLAN - FISH STRUCTURE & MUSCLE COMPOSITION - FILL IN THE BLANKS

## Purpose and Practice:
- Reading material previously studied in class and remembering what was learned

## Ingredients
- Page 275 (learners’ Exercise Sheet)
- Page 276 (instructor’s answer key)

## Method
- Instructor prepares appropriate number of “Fish Structure and Muscle Composition” exercise sheets for the learners
- Individually, learners fill in the banks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

## Cooking Time
- 15 - 20 minutes

## Essential Skills being practiced
- ✓ Reading Text
- ✓ Thinking Skills
- ✓ Writing
- ✓ Document Use

## Tip:
(For oral communication)
Invite learners to discuss what they know about the fish, mollusks and crustaceans used in food service operations.
The fish and shellfish used in food service operations can be divided into three categories: _________________________, _________________________ and _____________________________.

Fish include both fresh and ____________________________ varieties. They have _____________________ and an internal _______________________ of bone and cartilage. Based on ________________________ and skeletal structure, fish be divided into two groups: ______________________ fish and _________________________.

---

<table>
<thead>
<tr>
<th>skeleton</th>
<th>mollusks</th>
<th>fish</th>
</tr>
</thead>
<tbody>
<tr>
<td>saltwater</td>
<td>crustaceans</td>
<td>fins</td>
</tr>
<tr>
<td>round</td>
<td>shape</td>
<td>flatfish</td>
</tr>
</tbody>
</table>
FISH STRUCTURE AND MUSCLE COMPOSITION - ANSWERS

Cooks prepare and cook a wide variety of foods including fish and seafood. A cook pays special attention to the preparation of fish and shellfish to prevent spoilage and to produce high-quality finished products.

Take a look at the paragraphs below and fill in the blanks with the best word.

<table>
<thead>
<tr>
<th>skeleton</th>
<th>mollusks</th>
<th>fish</th>
</tr>
</thead>
<tbody>
<tr>
<td>saltwater</td>
<td>crustaceans</td>
<td>fins</td>
</tr>
<tr>
<td>round</td>
<td>shape</td>
<td>flatfish</td>
</tr>
</tbody>
</table>

The fish and shellfish used in food service operations can be divided into three categories; ___________ fish _____________, ___________ mollusks ___________, and ___________ crustaceans ___________.

Fish include both fresh and ___________ saltwater ___________ varieties. They have ___________ fins ___________ and an internal ___________ skeleton ___________ of bone and cartilage. Based on ___________ shape ___________ and skeletal structure, fish be divided into two groups: ___________ round ___________ fish and ___________ flatfish ___________.
**LESSON PLAN - FLAT FISH BONE STRUCTURE - PART NAMES**

From the kitchen of **SEAFOOD COOKERY**

### Purpose and Practice:
- Reading material previously studied in class and remembering the parts of a flat fish and what makes them different from a round fish.

### Ingredients
- Page 278 cut out name parts for a flat fish
- Page 279 image of a flat fish with fill in the blanks sections
- Page 280 image of a flat fish answer key
- Scissors and glue sticks

### Method
- Instructor prepares appropriate number of the first 2 handouts for the learners
- Using scissors and glue sticks, invite learners to cut out the 10 parts to a flat fish and glue the parts on to the appropriate blanks of the exercise sheet.
- Instructor reviews the answers with the class in a group setting and then hands out the answer key for further study purpose.

### Cooking Time
- 30 minutes

### Essential Skills being practiced
- Thinking Skills
- Document Use

### Tip:
* (for oral communication)
  * Invite learners to discuss the name parts and clues to where such parts belong to the structure of the flat fish.
FLAT FISH BONE STRUCTURE - PART NAMES

- Tail (Caudal fin)
- Operculum (gill cover)
- Pectoral Fin
- Vent
- Anal Fin
- Dorsal Fin
- Backbone
- Pelvic Fin
- Ribs
- Pinbones
BONE STRUCTURE OF FLAT FISH - EXERCISE
BONE STRUCTURE OF FLAT FISH - ANSWERS

- Tail (Caudal fin)
- Dorsal Fin
- Pelvic Fin
- Pectoral Fin
- Operculum (gill cover)
- Vent
- Pinbones
- Ribs
- Backbone
- Anal Fin
- Tail (Caudal fin)
LESSON PLAN - ROUND FISH BONE STRUCTURE - PART NAMES

Recipe

From the kitchen of SEAFOOD COOKERY

Purpose and Practice:

- Reading material previously studied in class and remembering the parts of a round fish and what makes them different from a round fish.

Ingredients

- Page 282 cut out name parts for a round fish
- Page 283 image of a round fish with fill in the blanks sections
- Page 284 image of a round fish answer key
- Scissors and glue sticks

Method

- Instructor prepares appropriate number of the first 2 handouts for the learners
- Using scissors and glue sticks, invite learners to cut out the 10 parts to a flat fish and glue the parts on to the appropriate blanks of the exercise sheet.
- Instructor reviews the answers with the class in a group setting and then hands out the answer key for further study purpose.

Cooking Time

30 minutes

Essential Skills being practiced

- Thinking Skills
- Document Use

Tip:

(for oral communication)

Invite learners to discuss the name parts and clues to where such parts belong to the structure of the round fish.
ROUND FISH BONE STRUCTURE - PART NAMES

- Tail (Caudal fin)
- Operculum (gill cover)
- Pectoral Fin
- Vent
- Anal Fin
- Dorsal Fin
- Backbone
- Pelvic Fin
- Ribs
- Pinbones
BONE STRUCTURE OF ROUND FISH - EXERCISE
BONE STRUCTURE OF ROUND FISH - ANSWERS

- Tail (Caudal fin)
- Dorsal Fin
- Operculum (gill cover)
- Pectoral Fin
- Pelvic Fin
- Pinbones
- Ribs
- Anal Fin
- Vent
- Backbone
- Tail (Caudal fin)
LESSON PLAN - ROUND FISH, FLAT FISH, MOLLUSKS & CRUSTACEANS STUDY BOOKLET

From the kitchen of SEAFOOD COOKERY

Recipe

Purpose and Practice:

- Reading material previously studied in class and remembering the parts of a round fish and what makes them different from a round fish.

Ingredients

Pages 286 to 297 (learners’ study book)

Method

- Instructor prepares full sets of booklets for each learner
- Instructor prepares one set of each booklet per group
- The class is divided into 4 groups and the instructor assigns a different booklet to each group (draw from a hat)
- Instructor invites each group to create a “learning poster” for their peers
- Each group works on their booklet to create a visual poster to be presented to their peers.
- Each group presents their poster to the whole class.
- Instructor provides a full booklet to each learner for study purposes.
- Posters can be displayed in the classroom.

Cooking Time

2 - 3 Hours

Essential Skills being practiced

✓ Thinking Skills
✓ Document Use
✓ Working with Others

Tip:

Invite learners to review each others’ posters over the course of the training for study purposes.

Remove the posters from the classroom during test time.
ROUND FISH - IMAGES AND DESCRIPTION

Round Fish
- swim in a vertical position
- have eyes on both sides of their heads
- bodies may be round, oval or compressed

Bass
- varieties include: largemouth, smallmouth, redeye and black
- members of the sunfish family
- lean and delicate
  salt water varieties (black sea and striped) are popular commercial items

Catfish
- scaleless freshwater fish
- common in southern lakes and rives
- now aquafarmed which eliminates the “muddy” taste
- flesh is pure white with a moderate fat content
- mild, sweet flavour and firm texture
- especially well suited for frying

Artic Char
- a type of salmon found in far northern rivers
- lean and pink fleshted
Cod
- family includes Atlantic and Pacific varieties as well as Pollock, haddock, whiting and hake
- mild, delicate flavour and lean, firm white flesh that flakes apart easily
- can be prepared by most cooking methods, although grilling is not recommended because the flesh is too flaky

Pacific Cod
- also known as grey cod
- found in the northern Pacific Ocean
- not as abundant as Atlantic cousin
- most often available frozen
- known as “true cod”

Red Snapper
- the true variety has lean, pink flesh that becomes white when cooked
- sweet flavoured and flaky
- sold whole or as fillets with the skin left on for identification
- can be prepared using almost any cooking method
- head and bones are excellent for stock

Atlantic Salmon
- most important commercial fish
- lots of aquafarms in Canada, Norway and Scotland so there is a steady supply
- this fish’s point of origin is often added to the name
- have a rich pink colour
- average weight 4 to 12 lb.
- Wild variety are almost never available
ROUND FISH - IMAGES AND DESCRIPTION (CON’T)

Chinook (King) Salmon
- from the Pacific
- red-orange flesh
- flesh separates into large flakes when cooked
- high fat content
- average weight 5 to 30 lb.
- Often marketed by the name of the river from which they are harvested
- The interior of their mouths are black

Coho (Silver) Salmon
- pinkish flesh
- available fresh or frozen, wild or aquafarmed
- wild average 3 to 12 lb.
- Aquafarmed average 1 pound

Tilapia
- name given to several species of freshwater, aquafarm-raised fish bred across the world
- they grow quickly in warm water
- up to 3 lb
- flesh is similar to catfish: lean, white meat and sweet with a firm texture
ROUND FISH - IMAGES AND DESCRIPTION (CON’T)

Trout
- varieties include rainbow, brown and brook
- on the West Coast they are called salmon trout or steelhead
- have low to moderate fat content
- flaky texture and delicate flavour
- flesh may be white, orange or pink
- can be baked, pan-fried, smoked or steamed

Tuna
- varieties include the bluefin, yellowfin, bonito, bigeye and blackfin
- Ahi is the popular market name for either yellowfin or bigeye
- Members of the mackerel family
- Found in tropical and sub-tropical waters around the world
- Large fish weighing up to several hundred pounds each
FLAT FISH - IMAGES AND DESCRIPTION

Flat Fish
- swim in a horizontal position
- have both eyes on the top of their heads
- have asymmetrical (uneven) or compressed bodies
- bottom dwellers, usually in deep ocean waters
- skin on top of body is dark for camouflage
- can change color depending on surroundings
- scales are small and dorsal and anal fins run the length of their bodies

Flounder
- have lean, firm flesh that is pearly or pinkish-white
- sweet, mild flavour
- usually sold as fresh or frozen fillets
- fillets are very thin and dry out or spoil easily
- best for poaching, steaming or frying

English Sole
- usually marketed as “fillet of sole
- actually flounder caught off the west coast of Canada

Domestic Dover Sole
- Pacific flounder
- Not as delicate or flavourful as other species of sole or flounder
- Often afflicted with a parasite that causes meat to have a slimy, jelly like texture
- Not recommended if another sole or flounder are available
FLAT FISH - IMAGES AND DESCRIPTION (CON’T)

Halibut
- among the largest of flat fish
- can weigh up to 300 lb (135 kg)
- have lean, firm flesh that is snow-white
- sweet, mild flavour
- flesh dries out easily
- can be poached, baked, grilled or broiled and is good with many sauces

Turbot
- type of Pacific flat fish, not particularly popular in Canada
- in Europe, the species are large diamon-shaped and popular because of their delicate flavour and firm, white flesh
- also marketed as “brill” and the Japanese sell it for fine dining
**MOLLUSKS - IMAGES AND DESCRIPTION**

**Mollusks**
Mollusks are shellfish that have a soft body, no internal skeleton and a hard outside shell.

**Univalves** are mollusks with a single shell in which the soft-bodied animal lives. They are marine snails with a single foot, used to attach the creature to fixed objects such as rocks.

**Abalone**
- have brownish-grey, ear-shaped shells
- lean with a sweet delicate flavour similar to clams
- tough to eat unless tenderized with a mallet
- can be eaten raw or seviche-style
- meat becomes tough if overcooked

*Bivalves are mollusks with two bilateral shells attached by a central hinge.*

**Clams**
- harvested along the east and west Coasts
- available all year, live in the shell or shucked (meat removed from the shell)
- also available canned (minced, chopped or whole)

**Atlantic Hard Shelled Clams – Quahogs**
- have hard blue-grey shells
- meat is chewy and not as sweet as other clams
- they have different names depending on their size (Littlenecks, Cherrystones and Topnecks)
MOLLUSKS - IMAGES AND DESCRIPTION (CON’T)

**Littlenecks**
- generally measure under 2 in. (5 cm) across the shell
- usually served on the half shell or steamed
- they are the most expensive clams

**Cherrystones**
- generally under 3 in (7.5 cm) across the shell
- sometimes eaten raw but most often cooked

**Topneck Clams**
- usually cooked and are often served as stuffed clams

**Soft-shell Clams**
- also known as Ipswich, steamer and long-necked clams
- have thin, brittle shells that do not close because of black-tipped siphon
- meat is tender and sweet
- sometimes fried but mostly steamed

**Pacific Clams**
- generally too tough to eat raw
- most common is the Manila clam
- resembles a quahog with a ridged shell
- can be served steamed or on the half shell
MOLLUSKS - IMAGES AND DESCRIPTION (CON’T)

Mussels
- excellent steamed in wine or seasoned broth
- can be fried or used in soups or pasta dishes

Oysters
- have a rough grey shell
- soft, grey, briny flesh can be eaten raw or cooked
- four main species: Atlantic, European flat, Olympias and Pacific
CRUSTACEANS - IMAGES AND DESCRIPTION

Crustaceans

Crustaceans are found in both fresh and salt water. They have a hard outer shell and jointed appendages, and they breathe through gills.

Crabs

- found along the North American coasts
- shipped through the world in fresh, frozen and canned forms
- meat varies in flavour and texture
- used in chowders, curries, casseroles
- purchased live, they should last up to five days

King Crabs

- very large, usually around 10 lb. (4.5 kg)
- caught in the very cold waters of the North Pacific
- meat is very sweet and snow-white
- always sold frozen, usually in the shell

Dungeness Crabs

- found along the West Coast
- weigh 1.5 to 4 lb
- have delicate, sweet meat
- sold live, pre-cooked and frozen or as picked meat
CRUSTACEANS - IMAGES AND DESCRIPTION (CON’T)

Lobsters
- brown to blue-black outer shells
- firm, white meat with a rich, sweet flavour
- shells turn red when cooked
- usually poached, steamed, simmered, baked or grilled
- can be served cold
- must be kept alive until just before cooking

Atlantic Lobster
- have edible meat in both their tails and claws
- considered superior to all others
- come from the cold waters along the northeast coast
- most often sold live
Domestic Lobster
MEAT & POULTRY COOKERY
Recipe

From the kitchen of MEAT & POULTRY COOKERY

Purpose and Practice:

- Reading material previously studied in class and remembering what was learned.

Ingredients

<table>
<thead>
<tr>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Instructor prepares appropriate number of “Dry-heat Cooking Methods for Meats” handouts for the learners</td>
</tr>
<tr>
<td>• Individually, learners fill in the banks using the words provided to complete the passage.</td>
</tr>
<tr>
<td>• Instructor reviews the answers with the class in a group setting</td>
</tr>
</tbody>
</table>

Cooking Time

10 - 15 minutes

<table>
<thead>
<tr>
<th>Essential Skills being practiced</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ Reading Text</td>
</tr>
<tr>
<td>✓ Thinking Skills</td>
</tr>
<tr>
<td>✓ Writing</td>
</tr>
<tr>
<td>✓ Document Use</td>
</tr>
</tbody>
</table>

Tip:
DRY-HEAT COOKING METHODS FOR MEATS - EXERCISE

Dry-heat cooking is the method used to roast, broil, grill, sauté and/or pan-fry foods. Dry-heat means heat is conducted by hot air, hot metal, radiation or hot fat. When cooking with dry-heat, no extra liquid is added to the food during preparation and the cooking item is seldom covered. Use the following words to fill in the blanks in the sentences below on roasting meat.

Roasting Meat:

The goal of roasting with dry-heat is to have the surface of the meat ________________ without charring, while the centre of the cut remains ________________ and succulent.

To prevent the meat from becoming ________________ during the roasting process, the cut of meat is sometimes ________________ and is almost always place on the rack ________________ so it can ________________.

Dry roasting is a suitable cooking procedure only for fine or ________________ meats.

Timing and ________________ are very important to prevent shrinkage and loss of ________________.
DRY-HEAT COOKING METHODS FOR MEATS - ANSWERS

Dry-heat cooking is the method used to roast, broil, grill, sauté and/or pan-fry foods. Dry-heat means heat is conducted by hot air, hot metal, radiation or hot fat. When cooking with dry-heat, no extra liquid is added to the food during preparation and the cooking item is seldom covered. Use the following words to fill in the blanks in the sentences below on roasting meat.

<table>
<thead>
<tr>
<th>fat side up</th>
<th>brown</th>
<th>dry</th>
<th>yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>self-baste</td>
<td>seared</td>
<td>juicy</td>
<td>quality</td>
</tr>
<tr>
<td>temperature</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Roasting Meat:

The goal of roasting with dry-heat is to have the surface of the meat __________ brown without charring, while the centre of the cut remains __________ juicy and succulent.

To prevent the meat from becoming __________ dry during the roasting process, the cut of meat is sometimes __________ seared and is almost always placed on the rack __________ fat side up so it can __________ self-baste.

Dry roasting is a suitable cooking procedure only for fine or __________ quality meats.

Timing and __________ temperature are very important to prevent shrinkage and loss of __________ yield.
LESSON PLAN - ROASTING EQUIPMENT – FILL IN THE BLANKS

From the kitchen of MEAT & POULTRY COOKERY

Purpose and Practice:

- Reading material previously studied in class and remembering what was learned.

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 303 (learners’ handout)</td>
<td>- Instructor prepares appropriate number of “Roasting Equipment” handouts for the learners</td>
</tr>
<tr>
<td>Page 304 (instructor’s answer key)</td>
<td>- Individually, learners fill in the blanks using the words provided to complete the passage.</td>
</tr>
<tr>
<td></td>
<td>- Instructor reviews the answers with the class in a group setting</td>
</tr>
</tbody>
</table>

Cooking Time: 10 - 15 minutes

Essential Skills being practiced:
- ✔ Reading Text
- ✔ Thinking Skills
- ✔ Writing
- ✔ Document Use
**ROASTING EQUIPMENT - EXERCISE**

Dry-heat cooking is the method used to roast, broil, grill, sauté and/or pan-fry foods. Dry-heat means heat is conducted by hot air, hot metal, radiation or hot fat. When cooking with dry-heat, no extra liquid is added to the food during preparation and the cooking item is seldom covered. Use the following words to fill in the blanks in the sentences below on roasting equipment.

<table>
<thead>
<tr>
<th>dryness</th>
<th>shrinking</th>
<th>ovens</th>
</tr>
</thead>
<tbody>
<tr>
<td>hot air</td>
<td>fans</td>
<td></td>
</tr>
</tbody>
</table>

Roasting Equipment:

In commercial convection ______________, the hot air is moved mechanically by ____________.

Care must be taken as the movement of the ________________ in the oven can cause excessive ________________, overbrowning and ________________ in the cooked meat.
Roasting Equipment:

In commercial convection _______ ovens _______, the hot air is moved mechanically by _______ fans _______.

Care must be taken as the movement of the _______ hot air _______ in the oven can cause excessive _______ shrinking _______, overbrowning and _______ dryness _______ in the cooked meat.
--- LESSON PLAN - ROASTING MEAT IN THE OVEN ---

**MEAT & POULTRY COOKERY**

---

**Recipe**

---

**Purpose and Practice:**
- To review key points about roasting meat in the oven

---

**Ingredients**

- Page 307
  - Study Sheet
- Page 308
  - Activity set
- Page 309
  - Activity set
  - Answers

---

**Method**

- Instructor prepares appropriate number of sets of study sheets and activity question sheets
- Individually, learners review the information and answer the activity set questions
- Review answers together as a group using the answer key as a reference

---

**Cooking Time**

- 25 minutes

---

**Essential Skills being practiced**

- ✓ Writing
- ✓ Oral Communication
- ✓ Document Use
- ✓ Reading Text

---

**Tip:**

Learners may be given the opportunity to examine meat thermometer and the difference between Celsius and Fahrenheit

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ROASTING MEAT IN THE OVEN

When roasting meat in the oven, the following points should be observed:

1. Bring meat to room temperature before roasting.

2. Season the meat lightly. Follow the guidelines of your school regarding pre-seasoning procedures.

3. Place roast fat side up on a rack in a suitable roasting pan to retain the fat and meat juices.

4. Insert a meat thermometer in the meat so that the probe is in the centre of the meat. The thermometer should not touch bone or fat.

5. Do not cover and do not add liquids.

6. Place pan in a preheated oven 135° to 220° Celsius (275° to 425° Fahrenheit).

7. Baste frequently with the melted fat only.

8. Add mirepoix to the roasting pan halfway through the cooking process.

9. Remove the roast from the oven when the thermometer registers 6-8° Celsius (10-15° Fahrenheit) below the degree of doneness. This will allow for the carry over cooking. Removing the roast from the oven does not halt the cooking process immediately. The heat that is contained inside the roast will continue to cook the roast. This is called carry over cooking.

10. Allow the meat to sit before carving. By waiting about ½ hour before carving, you allow the juices in the meat to be redistributed throughout the cut which reduces juice losses and dryness in the meat. Do not keep meat at room temperature longer than 2 hours.
ROASTING MEAT IN THE OVEN - ACTIVITY SET

1. What temperature should meat be at before roasting?

2. Why should a roast be placed fat side up on a rack in a roasting pan?

3. When inserting a meat thermometer, where should the probe be?

4. What is added to the roasting pan halfway through the cooking process?

5. Why is a roast removed from the oven a few degrees below the degree of doneness?

6. Why do you wait about ½ hour before carving the roast?

7. How long can a cooked roast be left at room temperature?
ROASTING MEAT IN THE OVEN - ACTIVITY SET - ANSWERS

1. What temperature should meat be at before roasting?
   Room temperature

2. Why should a roast be placed fat side up on a rack in a roasting pan?
   To retain the fat and meat juices

3. When inserting a meat thermometer, where should the probe be?
   In the centre of the meat (not touching bone or fat)

4. What is added to the roasting pan halfway through the cooking process?
   Mirepoix

5. Why is a roast removed from the oven a few degrees below the degree of doneness?
   To allow to carry over cooking

6. Why do you wait about ½ hour before carving the roast?
   To allow the juices in the meat to be redistributed through the cut (reduces juice loss and dryness)

7. How long can a cooked roast be left at room temperature?
   No longer then 2 hours
Recipe

Purpose and Practice:

- Reading material previously studied in class and remembering what was learned.

Ingredients

- Page 310 (learners’ handout)
- Page 311 (instructor’s answer key)

Method

- Instructor prepares appropriate number of “Jus and Gravies” handouts for the learners
- Individually, learners fill in the banks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

Cooking Time

10 - 15 minutes

Essential Skills being practiced

- Reading Text
- Thinking Skills
- Writing
- Document Use

Tip:

LESSON PLAN - JUS AND GRAVIES – FILL IN THE BLANKS

From the kitchen of MEAT & POULTRY COOKERY
JUS & GRAVIES - ACTIVITY SET

Using the following vocabulary words, complete the sentences below by inserting the best possible word:

- cornstarch
- mirepoix
- gravy
- juice
- cleaner
- flavour

Roasted meat is served with its own ________________, called jus, or a ________________.

Gravies and jus must always be of the same ________________ as the meat that they accompany.

Jus refers to the natural juices of a meat that has been roasted with ________________ and seasonings. It is usually very lightly thickened with ________________ or arrowroot starch for a ________________ finished product and called jus lié.
Roasted meat is served with its own __________ juice, called jus, or a __________ gravy.

Gravies and jus must always be of the same __________ flavour as the meat that they accompany.

Jus refers to the natural juices of a meat that has been roasted with __________ mirepoix and seasonings. It is usually very lightly thickened with __________ cornstarch or arrowroot starch for a __________ cleaner finished product and called jus lié.
**LESSON PLAN - JUS LIÉ – 7 STEPS FOR PREPARING JUS LIÉ**

From the kitchen of [MEAT & POULTRY COOKERY](#)

### Purpose and Practice:
- Learner’s will review the 7 steps for preparing jus lié and then practice arranging the 7 steps in order.

### Ingredients

<table>
<thead>
<tr>
<th>Page 313</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>(learners’ handout)</td>
<td>- Instructor prepares up to 4 sets by color code (depending on class size), of the Jus lié steps strips and shuffles each set so that they are not in order.</td>
</tr>
<tr>
<td>Page 314</td>
<td>- Working in small groups, the learners arrange the Jus lié steps strips in order (Step 1: Remove roast from pan and keep warm, Step 2: …)</td>
</tr>
<tr>
<td>(4 sets of the seven steps strips, color coded)</td>
<td>- Instructor roams around and encourages the small groups</td>
</tr>
<tr>
<td></td>
<td>- Once the exercise is finished, invite the learners to walk around each set to see if they came up with the same order.</td>
</tr>
</tbody>
</table>

### Cooking Time

15 - 20 minutes

### Essential Skills being practiced

- Reading Text
- Thinking Skills
- Writing
- Document Use

### Tip:

Instructor may wish to review some of the vocabulary and invite learners to describe the meaning of terms such as “reduce, deglaze, simmer, seasoning, etc.”

Note: sets are color coded so that they do not get mixed up when collecting after the exercise.
JUS LIÉ

There are 7 steps for preparing jus lié:

1. Remove roast from pan and keep warm.

2. Place pan on top of the stove and reduce the meat juices until they stick on the bottom of the pan. This will provide a concentrated flavour, and a natural rich dark color. Do not burn the pan!

3. Pour off all the fat to prevent greasy jus.

4. Deglaze pan with stock, and some wine if desired. Scrape all the brown particles from the bottom and simmer for 30 minutes.

5. Thicken very lightly with starch mixed with liquid.

6. Check seasoning and consistency.

7. Strain through cheesecloth or a china cap and hold for service.
JUS LIÉ - EXERCISE

There are 7 steps for preparing jus lié. In your groups, arrange the steps in order.
(note: the instructor will have cut steps into strips, and shuffle them prior to groups arranging them in order)

1. **Remove roast from pan and keep warm.**

2. **Place pan on top of the stove and reduce the meat juices until they stick on the bottom of the pan. This will provide a concentrated flavour, and a natural rich dark color. Do not burn the pan!**

3. **Pour off all the fat to prevent greasy jus.**

4. **Deglaze pan with stock, and some wine if desired. Scrape all the brown particles from the bottom and simmer for 30 minutes.**

5. **Thicken very lightly with starch mixed with liquid.**

6. **Check seasoning and consistency.**

7. **Strain through cheesecloth or a china cap and hold for service.**
LESSON PLAN - BROILING MEAT – FILL IN THE BLANKS

From the kitchen of MEAT & POULTRY COOKERY

Purpose and Practice:

- Reading material previously studied in class and remembering what was learned.

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 316 (learners’ handout)</td>
<td>• Instructor prepares appropriate number of “Broiling Meat” handouts for the learners</td>
</tr>
<tr>
<td>Page 317 (instructor’s answer key)</td>
<td>• Individually, learners fill in the blanks using the words provided to complete the passage.</td>
</tr>
<tr>
<td></td>
<td>• Instructor reviews the answers with the class in a group setting</td>
</tr>
</tbody>
</table>

Cooking Time: 10 - 15 minutes

Essential Skills being practiced:

- ✓ Reading Text
- ✓ Thinking Skills
- ✓ Writing
- ✓ Document Use

Tip: The “fill in the blanks” exercises can be distributed to learner’s that finish group activities ahead of others. They may also be assigned as homework for those who did not get to work with them during class time.
BROILING MEAT - ACTIVITY SET

Using the following vocabulary words, complete the sentences below by inserting the best possible word:

<table>
<thead>
<tr>
<th>heat source</th>
<th>inside</th>
<th>broilers</th>
</tr>
</thead>
<tbody>
<tr>
<td>sears</td>
<td>above</td>
<td>juices</td>
</tr>
</tbody>
</table>

Broiling is an efficient high heat cooking process that quickly ____________ the food on the outside and then allows the food to be cooked on the ____________ by its own ____________.

Some commercial ____________ have the radiant ____________ placed below the cooking surface, others have the heat source ____________, and yet others can heat from above and below.
BROILING MEAT - ACTIVITY SET - ANSWERS

Using the following vocabulary words, complete the sentences below by inserting the best possible word:

<table>
<thead>
<tr>
<th>heat source</th>
<th>inside</th>
<th>broilers</th>
</tr>
</thead>
<tbody>
<tr>
<td>sears</td>
<td>inside</td>
<td>juices</td>
</tr>
<tr>
<td>above</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Broiling is an efficient high heat cooking process that quickly ___________ sears ________ the food on the outside and then allows the food to be cooked on the ___________ inside ________ by its own ___________ juices ____________.

Some commercial ___________ ovens ____________ have the radiant ___________ heat source ____________ placed below the cooking surface, others have the heat source ___________ above ____________, and yet others can heat from above and below.
LESSON PLAN - CHAR-BROILING MEATS –
6 STEPS FOR CHAR-BROILING MEATS

From the kitchen of

MEAT & POULTRY COOKERY

Purpose and Practice:

- Learner’s will review the 6 steps for char-broiling meats and then practice arranging the 6 steps in order.

Ingredients

Page 319 (learners’ handout)
Page 320 (4 sets of the seven steps strips, color coded)

Method

- Instructor prepares up to 4 sets by color code (depending on class size), of the Char-broiling Meats steps strips and shuffles each set so that they are not in order.

- Working in small groups, the learners arrange the Char-broiling Meats steps strips in order (Step 1: Remove roast from the pan, Step 2: …)

- Instructor roams around and encourages the small groups

- Once the exercise is finished, invite the learners to walk around each set to see if they came up with the same order.

Cooking Time

15 - 20 minutes

Tips:

Instructor may wish to review some of the vocabulary and invite learners to describe the meaning of terms such as “char-broiling, recipe, wire brush, tongs, etc.”

Note: sets are color coded so that they do not get mixed up when collecting them after the exercise.
CHAR-BROILING MEATS

There are 6 steps for char-broiling meats:

1. Turn heat on the char-broiler to full and allow it to become very hot.
2. Prepare the meat and the recipe requires.
3. Brush char-broiler with wire brush and clean with oil.
4. Season and lightly oil the meat to be char-broiled. Place on the char broiler.
5. When the juices appear on surface of the meat, turn to cook and mark meat evenly on each side.
6. Use tongs to handle char-broiled food.
CHAR-BROILING MEATS - EXERCISE

There are 6 steps for char-broiling meat. In your groups, arrange the steps in order.
(note: the Instructor will have cut steps into strips, and shuffle them prior to groups arranging them in order)

1. Turn heat on the char-broiler to full and allow it to become very hot.
2. Prepare the meat and the recipe requires.
3. Brush char-broiler with wire brush and clean with oil.
4. Season and lightly oil the meat to be char-broiled. Place on the char broiler.
5. When the juices appear on surface of the meat, turn to cook and mark meat evenly on each side.
6. Use tongs to handle char-broiled food.
LESSON PLAN - DETERMINING DONENESS CHAR-BROILED MEATS: READING COMPREHENSION EXERCISE

From the kitchen of

MEAT & POULTRY COOKERY

■ Purpose and Practice:

• Reading and comprehension practice.

■ Ingredients

<table>
<thead>
<tr>
<th>Page 322</th>
<th>Page 323</th>
<th>Page 324</th>
</tr>
</thead>
<tbody>
<tr>
<td>(learners’ handout)</td>
<td>(Activity Set)</td>
<td>(Instructor Answer Key)</td>
</tr>
</tbody>
</table>

■ Method

- Instructor prepares appropriate number of “Determining Doneness for Char-broiled Meats” handouts and activity sets for the learners
- Individually, or in small groups, learners read the method for determining degree of doneness.
- Instructor reviews the answers with the class in a group setting

■ Essential Skills being practiced

- Reading Text
- Thinking Skills
- Writing
- Working with Others

(if activity is done in a small group setting)

Tip:

Cooking Time: 15 - 20 minutes
DETERMINING DONENESS FOR CHAR-BROILED MEATS

Method for determining degree of doneness:

The test for determining the degree of doneness for char-broiled meat is to apply light pressure with the fingers, tongs or spatula to the centre of the meat. The springier or softer the meat, the more rare it is. The firmer the flesh, the more the meat will be well-cooked.

This touch method of determining doneness takes practice and must be mastered in order to become a professional broiler cook.

Do not use a fork or needle to make a hole in a broiled piece of meat as this will allow the juices that have been so carefully sealed inside by the broiling process to escape.
1. In your own words, describe the test for determining the degree of doneness for char-broiled meats.

______________________________________________________________________
______________________________________________________________________
______________________________________________________________________

2. If meat is springy or soft to the touch, how is the meat?

______________________________________________________________________

3. What does it take to become a professional broiler cook?

______________________________________________________________________

4. Why shouldn’t you use a fork or needle to make a hole in a broiled piece of meat?

______________________________________________________________________
DETERMINING DONENESS FOR CHAR-BROILED MEATS - ANSWERS

1. In your own words, describe the test for determining the degree of doneness for char-broiled meats.

   Apply light pressure with fingers, tongs or a spatula and press lightly on the centre of the meat.

2. If meat is springy or soft to the touch, how is the meat?

   The meat will be rarer.

3. What does it take to become a professional broiler cook?

   Practice

4. Why shouldn’t you use a fork or needle to make a hole in a broiled piece of meat?

   Because the hole will let the juices escape.
### Purpose and Practice:
- Learner’s will review the 6 steps for griddling meats and then practice arranging the 6 steps in order.

### Ingredients

<table>
<thead>
<tr>
<th>Page 326 (learners’ handout)</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Instructor prepares up to 4 sets by color code (depending on class size), of the Griddling Meats steps strips and shuffles each set so that they are not in order.</td>
</tr>
<tr>
<td>Pages 327 (4 sets of the seven steps strips, color coded)</td>
<td>• Working in small groups, the learners arrange the Griddling Meats steps strips in order (Step 1: Remove roast from the pan, Step 2: …)</td>
</tr>
<tr>
<td></td>
<td>• Instructor roams around and encourages the small groups</td>
</tr>
<tr>
<td></td>
<td>• Once the exercise is finished, invite the learners to walk around each set to see if they came up with the same order.</td>
</tr>
</tbody>
</table>

### Cooking Time
- 15 - 20 minutes

### Essential Skills being practiced
- ✔ Reading Text
- ✔ Thinking Skills
- ✔ Document Use
- ✔ Working with Others

### Tip:
_Instructor may wish to review some of the vocabulary and invite learners to describe the meaning of terms such as “char-broiling, recipe, wire brush, tongs, etc.”_

_Note: sets are color coded so that they do not get mixed up when collecting them after the exercise._
GRILLING MEATS

Grilling is done on a solid cooking surface above a heat source. This piece of equipment is sometimes referred to as a flat top. Below please find the general procedures for grilling:

1. Collect all equipment and food supplies. For example, an offset spatula is needed for turning food.

2. Prepare meats. This may include seasoning, breading or dredging with flour.

3. Preheat grill and add fat to the hot surface. The amount depends on the item cooked. Breaded food items require more fat; steaks require only a very thin film of fat.

4. Place the food on the griddle.

5. Brown the meat on one side. Turn it with a spatula and brown the other side. Larger pieces may need to be finished at reduced heat or in an oven, after browning.

6. Serve immediately, with appropriate sauce and/or garnish.
Collect all equipment and food supplies. For example, an offset spatula is needed for turning food.

Prepare meats. This may include seasoning, breading or dredging with flour.

Preheat grill and add fat to the hot surface. The amount depends on the item cooked. Breaded food items require more fat; steaks require only a very thin film of fat.

Place the food on the griddle.

Brown the meat on one side. Turn it with a spatula and brown the other side. Larger pieces may need to be finished at reduced heat or in an oven, after browning.

Serve immediately, with appropriate sauce and/or garnish.
LESSON PLAN - SAUTÉING - 6 GENERAL PROCEDURES FOR SAUTÉING

From the kitchen of MEAT & POULTRY COOKERY

Purpose and Practice:

- Learner’s will review the 6 general steps for sautéing and then practice arranging the 6 steps in order.

Ingredients

Page 329 (learners’ handout)

Pages 330 (4 sets of the seven steps strips, color coded)

Method

- Instructor prepares up to 4 sets by color code (depending on class size), of the Sautéing steps strips and shuffles each set so that they are not in order.

- Working in small groups, the learners arrange the Sautéing steps strips in order (Step 1: Remove roast from the pan, Step 2: …)

- Instructor roams around and encourages the small groups

- Once the exercise is finished, invite the learners to walk around each set to see if they came up with the same order.

Cooking Time

15 - 20 minutes

Essential Skills being practiced

- Reading Text
- Thinking Skills
- Document Use
- Working with Others

Tip:

Tip: Instructor may wish to review some of the vocabulary and invite learners to describe the meaning of terms such as “tender cuts, dredging, flipping, tossing, drain, etc.

Note: sets are color coded so that they do not get mixed up when collecting them after the exercise.
SAUTÉING

Sautéing and pan-frying are similar. Sautéing is designed to cook small, tender cuts of food by using high heat and a small amount of fat. Below please find the general procedures for sautéing:

1. Assemble all the equipment and food.
2. Prepare meats as required. This may mean patting the meat dry and dredging in flour. Seasoning is usually done after browning.
3. Heat a small amount of fat in a sauté pan until very hot.
4. Add the meat to the pan. Do not overcrowd the pan as this will cause the temperature to drop and make the meat simmer rather than sauté.
5. Brown the meat on all sides, flipping or tossing it in the pan as necessary.
6. Season the meat and remove from pan. Drain excess fat if any. Deglaze the pan with stock, wine or other liquid to dissolve the browned bits of food sticking to the bottom. Finish the sauce according to the recipe.
Working in groups, sort the process for sautéing by steps.
(note: the instructor prepares sets by cutting the steps into strips and shuffling them)

Assemble all the equipment and food.

Prepare meats as required. This may mean patting the meat dry and dredging in flour. Seasoning is usually done after browning.

Heat a small amount of fat in a sauté pan until very hot.

Add the meat to the pan. Do not overcrowd the pan as this will cause the temperature to drop and make the meat simmer rather than sauté.

Brown the meat on all sides, flipping or tossing it in the pan as necessary.

Season the meat and remove from pan. Drain excess fat if any. Deglaze the pan with stock, wine or other liquid to dissolve the browned bits of food sticking to the bottom. Finish the sauce according to the recipe.
Recipe

From the kitchen of MEAT & POULTRY COOKERY

Purpose and Practice:
- Reading material previously studied in class and remembering what was learned.

Ingredients

<table>
<thead>
<tr>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Instructor prepares appropriate number of “Pan Frying” handouts for the learners</td>
</tr>
<tr>
<td>- Individually, learners fill in the blanks using the words provided to complete the passage.</td>
</tr>
<tr>
<td>- Instructor reviews the answers with the class in a group setting</td>
</tr>
</tbody>
</table>

Cooking Time

15 - 20 minutes

Essential Skills being practiced

- Reading Text
- Thinking Skills
- Writing
- Document Use

Tip:

The “fill in the blanks” exercises can be distributed to learners who finish group activities ahead of others. They may also be assigned as homework for those who did not get to work with them during class time.
This procedure differs from sautéing because of the amount of _________ used. Pan-frying is used for ______________ pieces of food, such as chops and chicken pieces and is usually done over ______________ heat.

The amount of fat used depends on the food being cooked. Only a small amount is used for ______________ items, while as much as an inch or more may be used for ______________ shaped or thicker items. Most foods must be turned at least ______________ for even cooking. Some larger foods may be ______________ from the pan and finished in the oven to prevent excessive surface ______________.

Items that are breaded before pan-frying are often served without ______________ or gravies. However, if a gravy is served with a breaded entrée, the gravy must be placed under the meat or ______________.
This procedure differs from sautéing because of the amount of fat used. Pan-frying is used for larger pieces of food, such as chops and chicken pieces and is usually done over lower heat.

The amount of fat used depends on the food being cooked. Only a small amount is used for flat items, while as much as an inch or more may be used for irregularly shaped or thicker items. Most foods must be turned at least once for even cooking.

Some larger foods may be removed from the pan and finished in the oven to prevent excessive surface browning.

Items that are breaded before pan-frying are often served without sauces or gravies. However, if a gravy is served with a breaded entrée, the gravy must be placed under the meat or to the side.
## Purpose and Practice:
- Reading material previously studied in class and remembering what was learned.

### Ingredients
- Page 335 (learners’ handout)
- Page 336 (instructor’s answer key)

### Method
- Instructor prepares appropriate number of “Dry-heat Cooking Methods for Poultry” handouts for the learners.
- Individually, learners fill in the blanks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting.

### Cooking Time
- 10 - 15 minutes

### Essential Skills being practiced
- Reading Text
- Thinking Skills
- Writing
- Document Use

### Tip:
The “fill in the blanks” exercises can be distributed to learners who finish group activities ahead of others. They may also be assigned as homework for those who did not get to work with them during class time.
DRY-HEAT COOKING METHODS FOR POULTRY - EXERCISE

Poultry can be prepared using dry-heat cooking methods. Like meat, poultry can be roasted, grilled, broiled, sautéed and pan-fried. Poultry can also be deep-fried which is considered a dry-heat cooking method. Please complete the sentences below by inserting the most appropriate words.

The light meat is taken from the ________________ and ________________, and the dark meat from the ___________________ and __________________. Because white meat has less fat and connective tissue than dark meat, it cooks ________________ and can become dry and stringy if care is not taken during the ______________________________. The older the poultry muscle, the ________________ it will be. Consequently, cooking methods depend on the ________________ of the bird when it was butchered.

<table>
<thead>
<tr>
<th>age</th>
<th>breast</th>
<th>drumsticks</th>
<th>tougher</th>
</tr>
</thead>
<tbody>
<tr>
<td>faster</td>
<td>thighs</td>
<td>wings</td>
<td>cooking process</td>
</tr>
</tbody>
</table>
DRY-HEAT COOKING METHODS FOR POULTRY - ANSWERS

Poultry can be prepared using dry-heat cooking methods. Like meat, poultry can be roasted, grilled, broiled, sautéed and pan-fried. Poultry can also be deep-fried which is considered a dry-heat cooking method. Please complete the sentences below by inserting the most appropriate words.

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>faster</td>
<td>thighs</td>
<td>wings</td>
<td>cooking process</td>
</tr>
</tbody>
</table>

The light meat is taken from the breast and wings, and the dark meat from the thighs and drumsticks. Because white meat has less fat and connective tissue than dark meat, it cooks faster and can become dry and stringy if care is not taken during the cooking process. The older the poultry muscle, the tougher it will be. Consequently, cooking methods depend on the age of the bird when it was butchered.
### Purpose and Practice:
- Learner’s will review the description of 4 types of poultry.

### Ingredients
- Page 338 (learners’ handout)
- Pages 339 (4 sets of the 4 term/definition match cards, color coded)

### Method
- Instructor prepares appropriate number of sets of the 4 terms and definitions by cutting them out along the dotted lines so that the term is separated from its definition.
- Shuffle each set so that they are not in order.
- Distribute a complete (shuffled) set to each group (2 to 5 students per group).
- Invite each group to work together (encouraging total participation) to match the correct term to the correct definition of the term.
- Come together as a whole class to review matches.
- Provide each learner with a copy of the handout called “Poultry Vocabulary”.

### Cooking Time
- 15 minutes

### Essential Skills being practiced
- Thinking Skills
- Document Use
- Working with Others

### Tip:
sets are color coded so that they do not get mixed up when collecting them after the exercise.
POULTRY VOCABULARY

Vegetables are divided into categories. These categories are organized according to which part of the plant is eaten and or used.

<table>
<thead>
<tr>
<th>Term</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frying Chickens</td>
<td>Very young chickens, usually six to eight weeks old. They are tender.</td>
</tr>
<tr>
<td>Roasting chickens</td>
<td>These are young chickens that can be from 10 weeks to six months old. They are very tender and are different from older fowl by the following:</td>
</tr>
<tr>
<td></td>
<td>• Underdeveloped breastbone or flexible cartilage tip</td>
</tr>
<tr>
<td></td>
<td>• Smooth white skin</td>
</tr>
<tr>
<td></td>
<td>• Pale white fat at the cavity opening</td>
</tr>
<tr>
<td>Capons</td>
<td>These are neutered male birds which are butchered when they reach between five and eight months in age. They have excellent flavour, and are very tender.</td>
</tr>
<tr>
<td>Free Range Poultry Products</td>
<td>These are allowed freedom of movement, and they can forage on a natural diet that includes insects, seeds and foliage. These products are gaining increasing popularity within the industry and are prized for their exceptionally fine flavour and texture. Like organically grown vegetables, they usually sell at a premium price.</td>
</tr>
</tbody>
</table>
**POTLUCK**

**Very young chickens, usually six to eight weeks old. They are tender.**

**These are young chickens that can be from 10 weeks to six months old. They are very tender and are different from older fowl by the following:**

- Underdeveloped breastbone or flexible cartilage tip
- Smooth white skin
- Pale white fat at the cavity opening

**These are neutered male birds which are butchered when they reach between five and eight months in age. They have excellent flavour, and are very tender.**

**These are allowed freedom of movement, and they can forage on a natural diet that includes insects, seeds and foliage. These products are gaining increasing popularity within the industry and are prized for their exceptionally fine flavour and texture. Like organically grown vegetables, they usually sell at a premium price.**
Purpose and Practice:

- Reading material previously studied in class and remembering what was learned.

Ingredients

<table>
<thead>
<tr>
<th>Page 341</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>(learners’ handout)</td>
<td>• Instructor prepares appropriate number of “Roasting Poultry” handouts for the learners</td>
</tr>
<tr>
<td></td>
<td>• Individually, learners fill in the blanks using the words provided to complete the passage.</td>
</tr>
<tr>
<td></td>
<td>• Instructor reviews the answers with the class in a group setting</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page 342</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(instructor’s answer key)</td>
<td></td>
</tr>
</tbody>
</table>

Cooking Time

10 - 15 minutes

Essential Skills being practiced

✓ Reading Text
✓ Thinking Skills
✓ Writing
✓ Document Use

Tip:

The “fill in the blanks” exercises can be distributed to learners who finish group activities ahead of others. They may also be assigned as homework for those who did not get to work with them during class time.
ROASTING POULTRY - EXERCISE

There are 4 guidelines for roasting poultry. Fill in the blanks using the vocabulary below:

1. The inside of the ______________________ can be ___________________________.
2. The outside ______________ should be seasoned and oiled _________________ roasting begins as this helps to ________________ the skin and to keep the bird _______________.
3. ____________________ with ___________________ during the cooking process is essential for chickens and turkeys.
4. The oven should be preheated to 160 degrees Celsius (325 degrees Fahrenheit) or _________________ if your production schedule will allow it. Low temperature roasting for chicken and turkey will result in a tender, __________________________.
ROASTING POULTRY - ANSWERS

There are 4 guidelines for roasting poultry. Fill in the blanks using the vocabulary below:

<table>
<thead>
<tr>
<th>moist</th>
<th>juicy product</th>
<th>skin</th>
<th>lower</th>
</tr>
</thead>
<tbody>
<tr>
<td>fat</td>
<td>cavity</td>
<td>before</td>
<td>brown</td>
</tr>
<tr>
<td>seasoned</td>
<td>basting</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. The inside of the __________ cavity __________ can be __________ seasoned __________.

2. The outside __________ skin __________ should be seasoned and oiled __________ before __________ roasting begins as this helps to __________ brown __________ the skin and to keep the bird __________ moist __________.

3. __________ basting __________ with __________ fat __________ during the cooking process is essential for chickens and turkeys.

4. The oven should be preheated to 160 degrees Celsius (325 degrees Fahrenheit) or __________ lower __________ if your production schedule will allow it. Low temperature roasting for chicken and turkey will result in a tender, __________ juicy product __________.
LESSON PLAN - BROILING/GRILLING POULTRY - FILL IN THE BLANKS

From the kitchen of MEAT & POULTRY COOKERY

Purpose and Practice:

- Reading material previously studied in class and remembering what was learned.

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 344 (learners’ handout)</td>
<td>• Instructor prepares appropriate number of “Broiling/Grilling Poultry” handouts for the learners</td>
</tr>
<tr>
<td>Page 345 (instructor’s answer key)</td>
<td>• Individually, learners fill in the blanks using the words provided to complete the passage.</td>
</tr>
<tr>
<td></td>
<td>• Instructor reviews the answers with the class in a group setting</td>
</tr>
</tbody>
</table>

Cooking Time: 10 - 15 minutes

Essential Skills being practiced:

- ✓ Reading Text
- ✓ Thinking Skills
- ✓ Writing
- ✓ Document Use

Tip: The “fill in the blanks” exercises can be distributed to learners who finish group activities ahead of others. They may also be assigned as homework for those who did not get to work with them during class time.
Only tender ___________________ birds can be cooked by this method. The broiler should be
__________________________ and set at a slightly _____________________ temperature than
for meat.

Start grilling poultry pieces ____________________________, taking care to remove excess
__________________ which will cause the broiler to ____________________ and burn the
chicken. It is sometimes wise to mark _____________________ pieces of poultry on the grill and
then finish the cooking process in the ______________________.
BROILING/GRILLING POULTRY - ANSWERS

Please complete the sentences below by inserting the most appropriate words.

<table>
<thead>
<tr>
<th>flame</th>
<th>larger</th>
<th>oil</th>
<th>skin side down</th>
</tr>
</thead>
<tbody>
<tr>
<td>young</td>
<td>lower</td>
<td>oven</td>
<td>preheated</td>
</tr>
</tbody>
</table>

Only tender ____________ young birds can be cooked by this method. The broiler should be ____________ preheated and set at a slightly ____________ lower temperature than for meat.

Start grilling poultry pieces ____________ skin side down, taking care to remove excess ____________ oil which will cause the broiler to ____________ flame and burn the chicken. It is sometimes wise to mark ____________ larger pieces of poultry on the grill and then finish the cooking process in the ____________ oven.
LESSON PLAN - SAUTÉING POULTRY - 5 GUIDELINES FOR SAUTÉING POULTRY

Recipe

From the kitchen of MEAT & POULTRY COOKERY

**Purpose and Practice:**

Learner's will review the 5 guidelines for sautéing poultry and then practice arranging the 5 steps in order.

**Ingredients**

| Page 347 (learners' handout) | Pages 348 (4 sets of the seven steps strips, color coded) |

**Method**

- Instructor prepares up to 4 sets by color code (depending on class size), of the Sautéing Poultry guidelines strips and shuffles each set so that they are not in order.
- Working in small groups, the learners arrange the Sautéing Poultry guidelines strips in order (Step 1: Remove roast from the pan, Step 2: …)
- Instructor roams around and encourages the small groups
- Once the exercise is finished, invite the learners to walk around each set to see if they came up with the same order.

**Cooking Time**

15 - 20 minutes

**Essential Skills being practiced**

- Reading Text
- Thinking Skills
- Document Use
- Working with Others

**Tip:**

Instructor may wish to review some of the vocabulary and invite learners to describe the meaning of terms such as "dusting, sauté pan, deglazing, etc."

**Note:** sets are color coded so that they do not get mixed up when collecting them after the exercise.
SAUTÉING POULTRY

As with broiling, only tender young birds can be cooked by this method. It is preferable to bone out the poultry as this will speed up the cooking time. If you use the following guidelines, you will be successful in sautéing poultry:

1. Assemble all equipment and food products.
2. Dust poultry to be sautéed with flour to prevent sticking in the pan and also to prevent moisture loss.
3. Heat a small amount of fat in the sauté pan until it is very hot. The food must be seared quickly or it will begin to simmer in its own juices.
4. The pan must not be overcrowded with food product as this will lower the temperature.
5. After the poultry has been sautéed, the pan is often deglazed with wine or stock and this liquid (with appropriate additions) will become an accompanying sauce.
**SAUTÉING POULTRY - EXERCISE**

Arrange the following guidelines in order:

1. **Assemble all equipment and food products.**
2. **Dust poultry to be sautéed with flour to prevent sticking in the pan and also to prevent moisture loss.**
3. **Heat a small amount of fat in the sauté pan until it is very hot. The food must be seared quickly or it will begin to simmer in its own juices.**
4. **The pan must not be overcrowded with food product as this will lower the temperature.**
5. **After the poultry has been sautéed, the pan is often deglazed with wine or stock and this liquid (with appropriate additions) will become an accompanying sauce.**
## Purpose and Practice:
- Reading material previously studied in class and remembering what was learned.

### Ingredients
- Page 350 (learners’ handout)
- Page 351 (instructor’s answer key)

### Method
- Instructor prepares appropriate number of “Pan Frying Poultry” handouts for the learners
- Individually, learners fill in the banks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

### Cooking Time
- 10 - 15 minutes

### Essential Skills being practiced
- ✔ Reading Text
- ✔ Thinking Skills
- ✔ Writing
- ✔ Document Use

### Tip:
The “fill in the blanks” exercises can be distributed to learner’s who finish group activities ahead of others. They may also be assigned as homework for those who did not get to work with them during class time.
Pan-frying is cooking in a moderate amount of _________________ over a moderate heat. It is similar to _________________, the only difference being the amount of fat used.

Pan-frying is a popular form of cooking _________________ chicken pieces that are not _________________ out. Care must be taken to ensure the chicken is properly _________________ without excessive surface _________________. The pieces may be _________________ in the oven in an _________________ pan.
Pan-frying is cooking in a moderate amount of fat over a moderate heat. It is similar to sautéing, the only difference being the amount of fat used.

Pan-frying is a popular form of cooking breaded chicken pieces that are not boned out. Care must be taken to ensure the chicken is properly cooked without excessive surface browning. The pieces may be finished in the oven in an uncovered pan.
**LESSON PLAN - DEEP FRYING POULTRY - FILL IN THE BLANKS**

**From the kitchen of MEAT & POULTRY COOKERY**

---

### Purpose and Practice:
- Reading material previously studied in class and remembering what was learned.

### Ingredients

<table>
<thead>
<tr>
<th>Page 353 (learners’ handout)</th>
<th>Page 354 (instructor’s answer key)</th>
</tr>
</thead>
</table>

### Method

- **Instructor prepares appropriate number of “Deep Frying Poultry” handouts for the learners**
- **Individually, learners fill in the banks using the words provided to complete the passage.**
- **Instructor reviews the answers with the class in a group setting**

### Cooking Time
- 10 - 15 minutes

### Essential Skills being practiced
- ✓ Reading Text
- ✓ Thinking Skills
- ✓ Writing
- ✓ Document Use

**Tip:** The “fill in the blanks” exercises can be distributed to learner’s who finish group activities ahead of others. They may also be assigned as homework for those who did not get to work with them during class time.
DEEP FRYING POULTRY - EXERCISE

Correctly deep-fried poultry has a golden brown crust that is crisp and has absorbed very little fat. Poultry is dipped in bread crumbs or batter before frying.

There are 10 guidelines for roasting poultry. Fill in the blanks using the vocabulary below:

<table>
<thead>
<tr>
<th>temperature</th>
<th>immediately</th>
<th>excess</th>
<th>cleaned</th>
</tr>
</thead>
<tbody>
<tr>
<td>salt</td>
<td>overload</td>
<td>high</td>
<td>evenly</td>
</tr>
<tr>
<td>immersed</td>
<td>recipe</td>
<td>breading</td>
<td></td>
</tr>
</tbody>
</table>

1. Use good quality fat with a ______________________ smoke point.
2. Use good equipment that has been thoroughly ______________________.
3. Fry at the correct __________________________, 160° to 175° C (325° to 350°F).
4. Prepare the poultry to the specific ________________________.
5. Shake off excessive ____________________________ material.
6. Do not __________________________ the basket.
7. Lower the poultry pieces into the fat; make sure they are completely _________________ in the fat.
8. Allow to brown ____________________, and turn if necessary.
9. Lift out of the fat and allow the ______________________ fat to drain off.
10. Never ______________________ the food over the fat.
11. Drain the product well and serve ________________________.
DEEP FRYING POULTRY - ANSWERS

Correctly deep-fried poultry has a golden brown crust that is crisp and has absorbed very little fat. Poultry is dipped in bread crumbs or batter before frying.

There are 10 guidelines for roasting poultry. Fill in the blanks using the vocabulary below:

<table>
<thead>
<tr>
<th>temperature</th>
<th>immediately</th>
<th>excess</th>
<th>cleaned</th>
</tr>
</thead>
<tbody>
<tr>
<td>salt</td>
<td>overload</td>
<td>high</td>
<td>evenly</td>
</tr>
<tr>
<td>immersed</td>
<td>recipe</td>
<td>breading</td>
<td></td>
</tr>
</tbody>
</table>

1. Use good quality fat with a ________________ high __________ smoke point.

2. Use good equipment that has been thoroughly ________________ cleaned __________.

3. Fry at the correct ________________ temperature __________, 160° to 175° C (325° to 350°F).

4. Prepare the poultry to the specific ________________ recipe __________.

5. Shake off excessive ________________ breading __________ material.

6. Do not ________________ overload __________ the basket.

7. Lower the poultry pieces into the fat; make sure they are completely ________________ immersed __________ in the fat.

8. Allow to brown ________________ evenly __________, and turn if necessary.

9. Lift out of the fat and allow the ________________ excess __________ fat to drain off.

10. Never ________________ salt __________ the food over the fat.

11. Drain the product well and serve ________________ immediately __________.
## Purpose and Practice:

- Reading material previously studied in class and remembering what was learned.

## Ingredients

<table>
<thead>
<tr>
<th>Page 356 (learners’ handout)</th>
<th>Page 357 (instructor’s answer key)</th>
</tr>
</thead>
</table>

## Method

- Instructor prepares appropriate number of “Pressure Deep Fat Frying” handouts for the learners
- Individually, learners fill in the blanks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

## Cooking Time

- 10 - 15 minutes

## Essential Skills being practiced

- Reading Text
- Thinking Skills
- Writing
- Document Use

## Tip:

The “fill in the blanks” exercises can be distributed to learner’s who finish group activities ahead of others. They may also be assigned as homework for those who did not get to work with them during class time.
PRESSURE DEEP FAT FRYING - EXERCISE

Please complete the sentences below by inserting the most appropriate words.

<table>
<thead>
<tr>
<th>temperature</th>
<th>lower</th>
<th>steam</th>
<th>crispness</th>
</tr>
</thead>
<tbody>
<tr>
<td>pressure cooker</td>
<td>quickly</td>
<td>covered</td>
<td>take out</td>
</tr>
<tr>
<td>covered</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A pressure deep fat fryer operates similarly to a ________________________.

The tight fitting __________________ of a pressure fryer traps the __________________
given off by the frying foods and builds up pressure in the fryer.

The trapped steam raises the ______________________ of the food in the fryer so
that foods cook more __________________ even though the fat temperatures may
be __________________ than found in a regular fryer. Pressure deep fat fryers are
used in __________________________ deep-fried chicken operations.

**Note:** Breaded deep-fried products should not be ______________________ or placed
on a steam table as this will cause their crust to lose ______________________. 
Please complete the sentences below by inserting the most appropriate words.

A pressure deep fat fryer operates similarly to a **pressure cooker**.

The tight fitting **cover** of a pressure fryer traps the **steam** given off by the frying foods and builds up pressure in the fryer.

The trapped steam raises the **temperature** of the food in the fryer so that foods cook more **quickly** even though the fat temperatures may be **lower** than found in a regular fryer. Pressure deep fat fryers are used in **take out** deep-fried chicken operations.

**Note:** Breaded deep-fried products should not be **covered** or placed on a steam table as this will cause their crust to lose **crispness**.
## Purpose and Practice:

- Reading material previously studied in class and remembering what was learned.

## Ingredients

<table>
<thead>
<tr>
<th>Page</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>359</td>
<td>Instructor prepares appropriate number of “Moist-Heat Cooking Methods for Meat and Poultry” handouts for the learners</td>
</tr>
<tr>
<td>360</td>
<td>Individually, learners fill in the blanks using the words provided to complete the passage.</td>
</tr>
</tbody>
</table>

## Method

<table>
<thead>
<tr>
<th>Page 359 (learners’ handout)</th>
<th>Page 360 (instructor’s answer key)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instructor prepares appropriate number of “Moist-Heat Cooking Methods for Meat and Poultry” handouts for the learners</td>
<td></td>
</tr>
<tr>
<td>Individually, learners fill in the blanks using the words provided to complete the passage.</td>
<td></td>
</tr>
<tr>
<td>Instructor reviews the answers with the class in a group setting</td>
<td></td>
</tr>
</tbody>
</table>

## Cooking Time

- 10 minutes

## Essential Skills being practiced

- ✔ Reading Text
- ✔ Thinking Skills
- ✔ Writing
- ✔ Document Use

## Tip:

The “fill in the blanks” exercises can be distributed to learners who finish group activities ahead of others. They may also be assigned as homework for those who did not get to work with them during class time.
Please complete the sentences below by inserting the most appropriate words.

Moist-heat cooking refers to methods where ______________________ is transferred to the food product by way of a liquid such as a ________________________, a ________________________, or the steam from a liquid. In some instances, such as blanching, ________________________ is used as the liquid.

Moist-heat cooking refers to methods where ______________________ is transferred to the food product by way of a liquid such as a ________________________, a ________________________, or the steam from a liquid. In some instances, such as blanching, ________________________ is used as the liquid.
MOIST-HEAT COOKING METHODS FOR MEAT AND POULTRY - ANSWERS

Please complete the sentences below by inserting the most appropriate words.

Moist-heat cooking refers to methods where ___________ heat ___________ is transferred to the food product by way of a liquid such as a ___________ stock ___________, a ___________ sauce ___________, or the steam from a liquid. In some instances, such as blanching, ___________ water ___________ is used as the liquid.
## Purpose and Practice:

- Learner's will review and study terms, methods and uses or examples of moist-heat cooking methods for meat and poultry.

## Ingredients

<table>
<thead>
<tr>
<th>Method</th>
<th>Ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 362 (study sheet for Meat)</td>
<td>• Instructor prepares appropriate number of study sheets for “Moist-Heat Cooking Methods for Meat” and “Moist-Heat Cooking Methods for Poultry”</td>
</tr>
<tr>
<td>Page 363 (exercise sheet for meat)</td>
<td>• Learners review the study sheets.</td>
</tr>
<tr>
<td>Page 364 (study sheet for poultry)</td>
<td>• Instructor prepares and distributes the exercise sheets for “Moist-Heat Cooking Methods for Meat” and “Moist-Heat Cooking Methods for Poultry”</td>
</tr>
<tr>
<td>Page 365 (exercise sheet for poultry)</td>
<td>• Learners complete the exercise sheets on their own or in groups</td>
</tr>
<tr>
<td>Page 364 (exercise sheet for poultry)</td>
<td>• Come together as a whole class to review matches</td>
</tr>
</tbody>
</table>

## Essential Skills being practiced

- Reading Text
- Thinking Skills
- Document Use
- Working with Others (if exercise is done in a group setting)
Moist-Heat Cooking for Meats

<table>
<thead>
<tr>
<th>Term</th>
<th>Method</th>
<th>Uses/Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simmering</td>
<td>The temperature of the liquid is only high enough to cause the slightest movement of bubbles bursting on the surface (not boiling).</td>
<td>For curing meats such as hams and corned beef.</td>
</tr>
</tbody>
</table>
| Blanching  | Meat is placed in cold water, the water is brought to a boil, the meat is then simmered for a short time and then refreshed with cold water. | Kidney  
Used to cleanse the meat of salt, blood, strong flavours and other impurities. |
MOIST-HEAT COOKING METHODS FOR MEAT – TERMS/DEFINITIONS/EXAMPLES - EXERCISE

Identify the correct term to the methods described below. Provide an example and why the particular method is used for each example.

**Moist-Heat Cooking for Meats**

<table>
<thead>
<tr>
<th>Term</th>
<th>Method</th>
<th>Uses/Example</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The temperature of the liquid is only high enough to cause the slightest movement of bubbles bursting on the surface (not boiling).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Meat is placed in cold water, the water is brought to a boil, the meat is then simmered for a short time and then refreshed with cold water.</td>
<td></td>
</tr>
</tbody>
</table>
### MOIST-HEAT COOKING METHODS FOR POULTRY – TERMS/DEFINITIONS/EXAMPLES - STUDY SHEET

#### Moist-Heat Cooking for Poultry

<table>
<thead>
<tr>
<th>Term</th>
<th>Method</th>
<th>Uses/Example</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Poaching</strong></td>
<td>A gentle and protective method of cooking a liquid such as stock with sometimes added herbs and wine. Only a small amount of liquid is used.</td>
<td>For the very tender and delicate flesh from the breasts of young poultry products. This method is used to retain flavour, texture and nutrients.</td>
</tr>
<tr>
<td><strong>Simmering</strong></td>
<td>The temperature of the liquid is only high enough to cause the slightest movement of bubbles bursting on the surface (not boiling).</td>
<td>For older, less tender poultry like “Boiling Fowl” or “Stewing Hens” These birds have normally have a fully developed breastbone with no cartilage; rough, thick, bumpy skin; and excessive yellow fat at the cavity opening.</td>
</tr>
<tr>
<td>** Blanching**</td>
<td>Poultry is placed in cold water, the water is brought to a boil, then simmered for a short time and then refreshed with cold water.</td>
<td>Method is done before another cooking method to cut down on the cooking time. Chicken pieces which are to be grilled or cooked on a BBQ.</td>
</tr>
</tbody>
</table>
## MOIST-HEAT COOKING METHODS FOR POULTRY – TERMS/DEFINITIONS/EXAMPLES - EXERCISE

Identify the correct term to the methods described below. Provide an example and why the particular method is used for each example.

**Moist-Heat Cooking for Poultry**

<table>
<thead>
<tr>
<th>Term</th>
<th>Method</th>
<th>Uses/Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>A gentle and protective method of cooking a liquid such as stock with sometimes added herbs and wine.</td>
<td>Only a small amount of liquid is used.</td>
<td>The temperature of the liquid is only high enough to cause the slightest movement of bubbles bursting on the surface (not boiling).</td>
</tr>
<tr>
<td>Poultry is placed in cold water, the water is brought to a boil, then simmered for a short time and then refreshed with cold water.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Purpose and Practice:
- Reading material previously studied in class and remembering what was learned.

### Ingredients | Method
--- | ---
Page 367 (learners’ handout) | - Instructor prepares appropriate number of “Combination Heat Cooking Methods” handouts for the learners
Page 368 (instructor’s answer key) | - Individually, learners fill in the banks using the words provided to complete the passage.

### Cooking Time
10 - 15 minutes

### Essential Skills being practiced
- Reading Text
- Thinking Skills
- Writing
- Document Use

### Tip:
The “fill in the blanks” exercises can be distributed to learner’s who finish group activities ahead of others. They may also be assigned as homework for those who did not get to work with them during class time.
Combination cooking occurs when two or more methods of cooking food are
____________________ in order to make less tender ______________ more digestible and
tasty. The most common products __________________ by a combination of
heat methods are those which are not of the __________________ quality or most
tender. The initial browning or searing of the food, the addition of __________________
(such as stock), and the prolonged gentle cooking process, all contribute to making
combination heat cooking one of the most ___________________ and creative
cooking techniques.

The most common combination cooking methods are ____________________.
______________________, and ________________________. In meat cooking,
the terms braising and stewing are used to distinguish the __________________ of the meat
being cooked. That is, individual portion sizes (for example, Swiss steaks) are braised
while meats cut into cubes that are bite-sized (stewing beef) are __________________.
Combination cooking occurs when two or more methods of coming food are combined in order to make less tender cuts more digestible and tasty. The most common products cooked by a combination of heat methods are those which are not of the highest quality or most tender. The initial browning or searing of the food, the addition of liquid (such as stock), and the prolonged gentle cooking process, all contribute to making combination heat cooking one of the most satisfying and creative cooking techniques.

The most common combination cooking methods are braising, stewing, and pot roasting. In meat cooking, the terms braising and stewing are used to distinguish the size of the meat being cooked. That is, individual portion sizes (for example, Swiss steaks) are braised while meats cut into cubes that are bite-sized (stewing beef) are stewed.
LESSON PLAN - COMBINATION COOKING METHODS
MEAT & POULTRY – TERM/DEFINITION MATCH

Purpose and Practice:

- Learner`s will review and study methods and definitions for “Combination Cooking Methods for Meat and Poultry”

Ingredients

<table>
<thead>
<tr>
<th>Page 370 (study sheet)</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Instructor prepares appropriate number of study sheets for “Combination Cooking Methods for Meat and Poultry”</td>
</tr>
<tr>
<td></td>
<td>• Learners review the study sheet.</td>
</tr>
<tr>
<td>Page 371 (exercise sheet)</td>
<td>• Learners complete the exercise sheets on their own or in groups</td>
</tr>
<tr>
<td></td>
<td>• Learners complete the exercise sheets on their own or in groups</td>
</tr>
<tr>
<td></td>
<td>• Come together as a whole class to review matches</td>
</tr>
</tbody>
</table>

Cooking Time

30 minutes

Essential Skills being practiced

- Reading Text
- Thinking Skills
- Document Use
- Working with Others (if exercise is done in a group setting)

Tip:
<table>
<thead>
<tr>
<th>Cooking Method</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Braising</em></td>
<td>Occurs when browned meat, vegetables and stock with seasonings are placed in a pot and simmered slowly. The product can be cooked in the oven or on the stove top. It is important to cook the product at an even heat as the liquid and the slow cooking break down the connective tissue in the meat to provide a tasty nutritious sauce and a very tender cooked product.</td>
</tr>
<tr>
<td><em>Stewing</em></td>
<td>Process of cooking food in a liquid that barely covers the items. The food is cut into bit size pieces so that several small pieces are needed to make up one individual portion. The meat is combined with neatly cut vegetables and simmered in a liquid with a bouquet garni. They may be thickened or unthickened depending on the recipe. Some are thickened with potatoes rather than a traditional roux (Irish).</td>
</tr>
<tr>
<td><em>Pot Roasting</em></td>
<td>The cut of meat is often browned in a pot (dry heat method) before being cooked by a heated liquid (moist heat method). Used to cook large pieces of less tender cuts of meat. The amount of liquid should not come higher than two-thirds of the way up the meat.</td>
</tr>
</tbody>
</table>
### COMBINATION COOKING METHODS FOR MEAT AND POULTRY – TERMS/DEFINITIONS - EXERCISE

<table>
<thead>
<tr>
<th>Cooking Method</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cooking Method</strong></td>
<td>Occurs when browned meat, vegetables and stock with seasonings are placed in a pot and simmered slowly. The product can be cooked in the oven or on the stove top. It is important to cook the product at an even heat as the liquid and the slow cooking break down the connective tissue in the meat to provide a tasty nutritious sauce and a very tender cooked product.</td>
</tr>
<tr>
<td><strong>Process of cooking food in a liquid that barely covers the items.</strong></td>
<td>The food is cut into bit size pieces so that several small pieces are needed to make up one individual portion. The meat is combined with neatly cut vegetables and simmered in a liquid with a bouquet garni. They may be thickened or unthickened depending on the recipe. Some are thickened with potatoes rather than a traditional roux (Irish).</td>
</tr>
<tr>
<td><strong>The cut of meat is often browned in a pot (dry heat method) before being cooked by a heated liquid (moist heat method).</strong></td>
<td>Used to cook large pieces of less tender cuts of meat. The amount of liquid should not come higher than two-thirds of the way up the meat.</td>
</tr>
</tbody>
</table>
**Recipe**

From the kitchen of **MEAT & POULTRY COOKERY**

### Purpose and Practice:

- This is a quick comparison reference chart between the techniques, products used, general procedure, and varieties of products for learners’ review.

### Ingredients

| Page 373 | (reference chart for study purposes) |

### Method

- Instructor prepares appropriate number of “Combination Heat Cooking Reference Charts”
- Instructor reviews the cooking techniques and encourages the learners to review.

### Cooking Time

15-20 minutes based on instructor’s interest.

### Essential Skills being practiced

- Document Use
- Working with Others

**Tip:**

- (if exercise is done in a group setting)
<table>
<thead>
<tr>
<th>Cooking Technique</th>
<th>Products Used</th>
<th>General Procedure</th>
<th>Varieties of Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Braising (meats) Brown</td>
<td>Roasts or Portion cuts of less tender cuts</td>
<td>Sear product, prepare and add the cooking liquid, cover pot and simmer until tender</td>
<td>Swiss steaks, Braised short ribs, Osso bucco, Braised roasts</td>
</tr>
<tr>
<td>Stewing (meats) Brown</td>
<td>Small boneless pieces of less tender cuts</td>
<td>Sear product, prepare and add the cooking liquid, cover pot and simmer until tender</td>
<td>Beef stew, Beef Bourguignon, Hungarian Goulash</td>
</tr>
<tr>
<td>Braising (poultry)</td>
<td>Portion cut chicken pieces</td>
<td>Brown product, prepare cooking liquid, cover and simmer until tender</td>
<td>Coq au Vin, Curry Chicken, Chicken Cacciatore</td>
</tr>
<tr>
<td>Stewing (poultry)</td>
<td>Portion cut chicken pieces</td>
<td>2 methods (sauté or blanching)</td>
<td></td>
</tr>
<tr>
<td>Fricassee (Sauté method)</td>
<td>8 – cut chicken pieces or boneless pieces of veal</td>
<td>Saute product without browning, add vegetables, liquids or sauces, cover, simmer until tender</td>
<td>Chicken fricassee, Veal fricassee</td>
</tr>
<tr>
<td>Blanquette (blanching method)</td>
<td>8 – cut chicken pieces or boneless pieces of veal, boneless lamb</td>
<td>Blanch product to remove impurities, simmer product in stock with vegetables until tender. Thicken, cover and simmer until flavours are developed.</td>
<td>Blanquette of veal Blanquette of chicken Irish lamb stew*</td>
</tr>
</tbody>
</table>

*Irish lamb stew is thickened with potatoes not roux*
### Purpose and Practice:

- There are 9 primal cuts in a side of beef, five in the front quarter and four in the hindquarter. In this exercise, learners will review the nine primal cuts and then practice identifying them by the front and hind quarters.

### Ingredients

<table>
<thead>
<tr>
<th>Page 375 (study chart)</th>
<th>Page 376 (exercise sheet – fill in the parts by quarter)</th>
</tr>
</thead>
</table>

### Method

- Instructor prepares appropriate number of “Primal Cuts of Beef – Chart”, and “Primal Cuts of Beef – Fill in the Parts Exercise”
- Instructor reviews the Chart with the learners
- Instructor invites the learner’s to study the chart and then from memory, practice filling in the parts by either front or hind quarter using the exercise sheet.

### Cooking Time

15 minutes

### Essential Skills being practiced

- Thinking Skills
- Document Use

### Tip:

- Recipe

---

From the kitchen of **MEAT & POULTRY COOKERY**
PRIMAL CUTS OF BEEF - CHART

Front Quarter
- Chuck
- Shank
- Brisket
- Rib
- Plate

Hind Quarter
- Tenderloin
- Flank
- Sirloin
- Hip (Round)
PRIMAL CUTS OF BEEF - FILL IN THE PARTS EXERCISE

Front Quarter

Hind Quarter

Chuck
Rib
Sirloin
Sirloin
Sirloin
Hip
Brisket
Plate
Flank
Shank
Shank
Tenderloin
**Recipe**

**Purpose and Practice:**

- Beef primal cuts are subdivided into secondary cuts. In this exercise, learners will review the secondary cuts and then practice identifying these secondary by primal cut category.

**Ingredients**

| Page 378 (study chart) | Page 379 (exercise sheet – identify the primary cuts related to the secondary cut groupings) |

**Method**

- Instructor prepares appropriate number of “Secondary Cuts of Beef – Chart”, and “Secondary Cuts of Beef – Fill in the Parts Exercise”
- Instructor reviews the Chart with the learners
- Instructor invites the learner’s to study the chart and then from memory, practice writing the primal cuts related to each secondary parts grouping.

**Cooking Time**

15 minutes

**Essential Skills being practiced**

- Thinking Skills
- Document Use

**Tip:**
SECONDARY CUTS OF BEEF - CHART

- Chuck Rib
- Shank
- Hip
- Round
- Flank Steak
- London Broil
- Flank
- Plate
- Chuck
- Flank
- Spare Ribs
- Short Ribs
- Short Rib
- Brisket
- Blade
- Prime Rib
- Ribeye
- Sirloin Tip
- Sirloin
- T-Bone
- Eye of Round
- Inside Round
- Outside Round
- Heel of Round
- Shoulder
- Neck
- Cross Rib
- Prime Rib
- Groin
- Sirloin
SECONDARY CUTS OF BEEF - FILL IN THE PARTS EXERCISE

- Blade
- Cross Rib
- Neck
- Shoulder
- Short Rib
- Prime Rib
- Loin, Bone In
- T-Bone
- Rib-Eye
- Strip Loin, Bone In
- Tenderloin
- Sirloin Tip
- Rump
- Eye of Round
- Outside Round
- Inside Round
- Heel of Round
- Prime Rib
- Cross Rib
- Blade
- Ground Beef
- Chili
- Corned Beef
- Barbecue
- Short Ribs
- Skirt Steak (Fajitas)
- Flank Steak
- “London Broil”
- Jerky
- Strips for Stir-Fry
- Ground Beef
- Pot Roast
- Chili
- Chops for Chops
- Eye of Round
- (Fajitas)
- Strip Steak
- Short Ribs
- Prime Rib
LESSON PLAN - PRIMAL CUTS OF PORK – FILL IN THE PARTS EXERCISE

Recipe

From the kitchen of MEAT & POULTRY COOKERY

Purpose and Practice:

- There are 4 primal cuts in a side of pork. In this exercise, learners will review the primal cuts and then practice identifying them by memorizing the parts and identifying them on the exercise sheet.

Ingredients

Page 381 (study sheet)
Page 382 (exercise sheet – Name the Part)

Method

- Instructor prepares appropriate number of “Primal Cuts of Pork – Study Sheet”, and “Primal Cuts of Pork – Name the Part”
- Instructor reviews the Chart with the learners
- Instructor invites the learner’s to study the chart and then from memory, practice filling in the parts.

Cooking Time

15 minutes

Tip:

Essential Skills being practiced

✓ Thinking Skills
✓ Document Use
PRIMAL CUTS OF A SIDE OF PORK - STUDY SHEET

- Shoulder
- Loin
- Leg
- Belly
PRIMAL CUTS OF A SIDE OF PORK - NAME THE PART
LESSON PLAN - SECONDARY CUTS OF PORK – NAME THE SECONDARY CUTS

From the kitchen of MEAT & POULTRY COOKERY

Purpose and Practice:

- Pork primal cuts are subdivided into secondary cuts. In this exercise, learners will review the secondary cuts and then practice identifying them by primal cut category.

Ingredients

<table>
<thead>
<tr>
<th>Page 384 (study sheet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instructed prepares appropriate number of “Secondary Cuts of Pork – Study Sheet”, and “Secondary Cuts of Pork – Name the Secondary Cuts”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page 385 (exercise sheet – Name the Secondary Cuts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instructor reviews the chart with the learners</td>
</tr>
<tr>
<td>Instructor invites the learner’s to study the chart and then from memory, practice identifying the secondary cuts by primal cut category.</td>
</tr>
</tbody>
</table>

Method

<table>
<thead>
<tr>
<th>Ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 384</td>
</tr>
<tr>
<td>Page 385</td>
</tr>
</tbody>
</table>

Cooking Time

15 - 20 minutes

Essential Skills being practiced

✓ Thinking Skills
✓ Document Use

Tip:
SECONDARY CUTS OF PORK - STUDY SHEET

- Loin Rib End
- Loin Centre
- Sirloin

- Leg Butt Portion
  - Leg Shank Portion
  - Hock
  - Foot

- No further breakdown

- Shoulder Blade
- Shoulder Picnic
- Jowl
- Foot
- Hock

- No further breakdown

- Leg Butt Portion
  - Leg Shank Portion
  - Hock
  - Foot

- No further breakdown

- Shoulder Blade
- Shoulder Picnic
- Jowl
- Foot
- Hock
SECONDARY CUTS OF PORK - NAME THE SECONDARY CUTS

- Leg
- Loins
- Belly
- Shoulder
SECONDARY CUTS OF PORK - NAME THE PRIMAL CUTS

Loin Rib End
Loin Centre
Sirloin

Leg Butt Portion
Leg Shank Portion
Hock
Foot

No further breakdown

Shoulder Blade
Shoulder Picnic
Jowl
Foot
Hock
LESSON PLAN - MEAT CUTS WORD SEARCH

Recipe

From the kitchen of MEAT & POULTRY COOKERY

### Purpose and Practice:

- To become more familiar with the sections of meat vocabulary

### Ingredients

- Page 389 Word Search
- Exercise
- Page 390 Word Search
- Answer Key

### Method

- Instructor makes appropriate number of the Word Search handouts for the class
- Instructor hands out "Word Search Exercise" to each learner.
- Using the words at the bottom of the sheet, Learners are encouraged to locate the identical word that is hidden within the puzzle above
- Once a word is located within the puzzle, learner cross off that word from the vocabulary list and moves on to the next word
- Words can be found horizontally, vertically and diagonally
- Post the answer key somewhere in the classroom so that learners may self-check their work

### Cooking Time

- Learners can work on the puzzle throughout the day when they have extra time

### Essential Skills being practiced

- Thinking Skills
- Document Use

**Tip:** this is a good opportunity to check comprehension around the meaning of “horizontally, vertically and diagonally”
MEAT CUTS WORD SEARCH

Find the words below in this word search puzzle.

beef  brisket  butt
primal  flank  shank
chuck  hind  hip
front  plate  quarter
loin  short  sirloin
rib
MEAT CUTS WORD SEARCH - ANSWERS

Find the words below in this word search puzzle.

- beef
- brisket
- butt
- primal
- flank
- shank
- chuck
- hind
- hip
- front
- plate
- quarter
- loin
- short
- sirloin
- rib
BASIC FOOD SERVICE & KITCHEN MANAGEMENT
**Recipe**

**LESSON PLAN - BASIC COOKING PRINCIPLES - EXERCISE**

**Purpose and Practice:**
- To review basic cooking terminology by completing a fill-in-the-blanks exercise

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 393 Basic Cooking Principles Exercise</td>
<td>Instructor prepares appropriate number of sets of exercise sheets</td>
</tr>
<tr>
<td>Page 394 Basic Cooking Principles Exercise</td>
<td>Individually, learners fill in the blanks using the words provided at the top of the sheet</td>
</tr>
<tr>
<td>Answer Key</td>
<td>Review answers together as a group using the answer key as a reference</td>
</tr>
</tbody>
</table>

**Cooking Time:** 20 minutes

**Essential Skills being practiced:**
- Document Use
- Thinking Skills

**Tip:** Learners may be encouraged to strike off a term once used so that they can see which terms have been used along the way.
Cooking can be defined as subjecting __________________________ to heat to make them more digestible than they are in their ____________________ state. Heat breaks down the ______________________ (fibre) of plant food and partly dissolved the connective tissues in meat which increases ________________________. When enough heat is applied, the food is ______________________ as the bacteria in or on it are ________________________.

The heat causes water to ________________________, starched to become fluffy and fats to ________________________, break down and brown. When sugar is heated, it melts and becomes ________________________ (color changes to brown). When heated even more, the sugar is ________________________ (burned).

These physical and chemical _______________________ not only ____________________ food so it is easy to ______________________ and digest but also changes the ________________________ and appearance.
Cooking can be defined as subjecting food products to heat to make them more digestible than they are in their raw state. Heat breaks down the cellulose (fibre) of plant food and partly dissolved the connective tissues in meat which increases tenderness. When enough heat is applied, the food is sterilized as the bacteria in or on it are killed.

The heat causes water to evaporate, starched to become fluffy and fats to melt, break down and brown. When sugar is heated, it melts and becomes caramelized (color changes to brown). When heated even more, the sugar is carbonized (burned).

These physical and chemical changes not only tenderize food so it is easy to chew and digest but also changes the flavour and appearance.
**Recipe**

**LESSON PLAN - BASIC METHODS OF COOKING - STUDY SHEET - EXERCISE**

**From the kitchen of**

**BASIC FOOD SERVICES & KITCHEN MANAGEMENT**

### Purpose and Practice:
- To review examples of 3 basic methods of cooking

### Ingredients
- Page 396
  - Basic Methods of Cooking Study Sheet
- Page 397
  - Basic Methods of Cooking – Exercise 1
- Page 398
  - Basic Methods of Cooking – Exercise 2

### Method
- In small groups, learners study examples of the 3 basic types of cooking methods
- Learners practice committing the information to memory
- Learners test their knowledge by completing Exercise 1
- Learners further test their knowledge by completing Exercise 2

### Cooking Time
- 30 minutes

### Essential Skills being practiced
- ✓ Thinking Skills - Significant use of memory
- ✓ Document Use

### Tip:
- Learners may be encouraged to discuss tips and tricks for memorizing information.
**BASIC METHODS OF COOKING - STUDY SHEET**

<table>
<thead>
<tr>
<th>Method of Cooking</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dry Heat</strong></td>
<td>Roasting, Baking, Broiling, Pan-frying, Sautéing, Grilling, Deep fat frying</td>
</tr>
<tr>
<td><strong>Moist Heat</strong></td>
<td>Poaching, Steaming, Blanching, Boiling, Simmering</td>
</tr>
<tr>
<td><strong>Combination Heat</strong></td>
<td>Braising, Stewing</td>
</tr>
</tbody>
</table>
# BASIC METHODS OF COOKING - EXERCISE 1

Identify the method of cooking across from the list of examples below:

<table>
<thead>
<tr>
<th>Method of Cooking</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Roasting, Baking, Broiling, Pan-frying, Sautéing, Grilling, Deep fat frying</td>
</tr>
<tr>
<td></td>
<td>Poaching, Steaming, Blanching, Boiling, Simmering</td>
</tr>
<tr>
<td></td>
<td>Braising, Stewing</td>
</tr>
</tbody>
</table>
### BASIC METHODS OF COOKING - STUDY SHEET

Identify examples across from the method of cooking below:

<table>
<thead>
<tr>
<th>Method of Cooking</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry Heat</td>
<td>1.</td>
</tr>
<tr>
<td></td>
<td>2.</td>
</tr>
<tr>
<td></td>
<td>3.</td>
</tr>
<tr>
<td></td>
<td>4.</td>
</tr>
<tr>
<td></td>
<td>5.</td>
</tr>
<tr>
<td></td>
<td>6.</td>
</tr>
<tr>
<td></td>
<td>7.</td>
</tr>
<tr>
<td>Moist Heat</td>
<td>1.</td>
</tr>
<tr>
<td></td>
<td>2.</td>
</tr>
<tr>
<td></td>
<td>3.</td>
</tr>
<tr>
<td></td>
<td>4.</td>
</tr>
<tr>
<td></td>
<td>5.</td>
</tr>
<tr>
<td>Combination Heat</td>
<td>1.</td>
</tr>
<tr>
<td></td>
<td>2.</td>
</tr>
</tbody>
</table>
LESSON PLAN - BASIC SEASONING & FLAVOURING TECHNIQUES

From the kitchen of

BASIC FOOD SERVICES & KITCHEN MANAGEMENT

Purpose and Practice:

- Matching Seasoning and Flavouring related vocabulary to definitions
- Learning the difference between herbs and spices, and seasoning and flavoring

Ingredients

Page 400 Basic Seasoning & Flavouring Techniques
  Study Sheet

Pages 401, 402
(7 vocabulary/definition cut outs – to make sets for group work)

Page 403 Basic Seasoning and Flavouring Techniques
  Exercise Sheet

Method

- Instructor provides each student with a study sheet for their review
- Instructor prepares appropriate number of sets of the 7 terms by photocopying the 7 “Spice racks” and cutting them out along the dotted lines so that the top of the spice rack (vocabulary word) is separated from the bottom of the spice rack (definition).
- Shuffle word and definitions so that they are not in order
- Distribute a complete (shuffled) set to each group (2 to 5 students per group)
- Invite each group to work together (encouraging total participation) to match the correct term with the correct definition of the term
- Once matched, invite the groups to identify examples of herbs, spices, seasonings and flavourings
- Learners complete the Exercise sheet to strengthen the learning

Cooking Time

30 minutes

Essential Skills being practiced

✓ Thinking Skills
✓ Working With Others
✓ Oral Communication
✓ Document Use
✓ Reading Text

Tip:

To avoid mixing up sets for future use, tag each one for easy re-set and shuffle. For example, each piece of set #1 has a blue dot on each piece, set #2 a red dot, etc.
<table>
<thead>
<tr>
<th>Terms</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Seasoning</strong></td>
<td>This technique brings out or intensifies the natural flavour of the food without changing it</td>
</tr>
<tr>
<td><strong>Seasonings</strong></td>
<td>Usually added near the end of the cooking period. Most common ones are: salt, pepper and lemon juice. When used properly they cannot be tasted. Only the original ingredients have been heightened.</td>
</tr>
<tr>
<td><strong>Flavouring</strong></td>
<td>This technique changes or modifies the original flavour of the food.</td>
</tr>
<tr>
<td><strong>Flavourings</strong></td>
<td>Used to contrast a taste, for example adding sherry to a consommé so that you can taste both the added flavour (sherry) and the original flavour (consommé). Also used to create a unique flavour by combining (for example: mirepoix added to a stock).</td>
</tr>
<tr>
<td><strong>Herbs and Spices</strong></td>
<td>Main seasoning and flavouring ingredients</td>
</tr>
<tr>
<td><strong>Herbs</strong></td>
<td>The leaves of fragrant plants that do not have a woody stem. Available fresh or dried.</td>
</tr>
<tr>
<td><strong>Spices</strong></td>
<td>Aromatic plant buds, fruits, flowers, roots or seeds. Available whole or ground up.</td>
</tr>
</tbody>
</table>
Seasoning
This technique brings out or intensifies the natural flavour of the food without changing it.

Seasonings
Usually added near the end of the cooking period. Most common ones are: salt, pepper and lemon juice. When used properly they cannot be tasted. Only the original ingredients have been heightened.

Flavouring
This technique changes or modifies the original flavour of the food.

Flavourings
Used to contrast a taste, for example adding sherry to a consommé so that you can taste both the added flavour (sherry) and the original flavour (consommé). Also used to create a unique flavour by combining (for example: mirepoix added to a stock).
Herbs and Spices

Main seasoning and flavouring ingredients

Herbs

The leaves of fragrant plants that do not have a woody stem. Available fresh or dried.

Spices

Aromatic plant buds, fruits, flowers, roots or seeds. Available whole or ground up.
### BASIC SEASONING AND FLAVOURING TECHNIQUES – EXERCISE

Please insert the correct term:

<table>
<thead>
<tr>
<th>Terms</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>This technique brings out or intensifies the natural flavour of the food without changing it</td>
</tr>
<tr>
<td></td>
<td>Usually added near the end of the cooking period. Most common ones are: salt, pepper and lemon juice. When used properly they cannot be tasted. Only the original ingredients have been heightened.</td>
</tr>
<tr>
<td></td>
<td>This technique changes or modifies the original flavour of the food.</td>
</tr>
<tr>
<td></td>
<td>Used to contrast a taste, for example adding sherry to a consommé so that you can taste both the added flavour (sherry) and the original flavour (consommé). Also used to create a unique flavour by combining (for example: mirepoix added to a stock).</td>
</tr>
<tr>
<td></td>
<td>Main seasoning and flavouring ingredients</td>
</tr>
<tr>
<td></td>
<td>The leaves of fragrant plants that do not have a woody stem. Available fresh or dried.</td>
</tr>
<tr>
<td></td>
<td>Aromatic plant buds, fruits, flowers, roots or seeds. Available whole or ground up.</td>
</tr>
</tbody>
</table>
LESSON PLAN - AM I A SPICE OR AN HERB?

From the kitchen of KITCHEN MANAGEMENT

<table>
<thead>
<tr>
<th>Purpose and Practice:</th>
</tr>
</thead>
<tbody>
<tr>
<td>To identify commonly used herbs and spices in today’s kitchens</td>
</tr>
<tr>
<td>Learning the difference between herbs and spices</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 405 Study Sheet (table format)</td>
<td>Instructors provides each student with a study sheet for their review and discusses the difference between a spice and an herb (see previous exercise)</td>
</tr>
<tr>
<td>Page 406 Exercise Sheet</td>
<td>Instructors prepares appropriate number of exercise sheets; learners practice deciding if the ingredient is a spice or an herb</td>
</tr>
<tr>
<td>Page 407 Answer Key</td>
<td>Instructors reviews answers using the answer key</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cooking Time</th>
<th>Essential Skills being practiced</th>
<th>Tip:</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 minutes</td>
<td>✅ Document Use</td>
<td>The instructor may wish to create a sampler of the actual spices and herbs so that learners may see what the items look like and smell like.</td>
</tr>
<tr>
<td></td>
<td>✅ Thinking Skills</td>
<td></td>
</tr>
</tbody>
</table>

Recipe
**BASIC SEASONING AND FLAVOURING TECHNIQUES – EXERCISE**

Commonly used herbs and spices in today’s kitchens:

<table>
<thead>
<tr>
<th>Spices</th>
<th>Herbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allspice</td>
<td>Bay leaves</td>
</tr>
<tr>
<td>Anise seed</td>
<td>Chive</td>
</tr>
<tr>
<td>Cloves</td>
<td>Mint</td>
</tr>
<tr>
<td>Ginger</td>
<td>Sage</td>
</tr>
<tr>
<td>Nutmeg</td>
<td>Basil</td>
</tr>
<tr>
<td>Pepper</td>
<td>Parsley</td>
</tr>
<tr>
<td>Caraway</td>
<td>Rosemary</td>
</tr>
<tr>
<td>Cinnamon</td>
<td>Tarragon</td>
</tr>
<tr>
<td>Mace</td>
<td>Thyme</td>
</tr>
<tr>
<td>Mustard</td>
<td></td>
</tr>
</tbody>
</table>
## AM I A SPICE OR HERB - EXERCISE

Identify the items below as either a spice or an herb:

<table>
<thead>
<tr>
<th>Item</th>
<th>Am I a Spice or Herb?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mustard</td>
<td></td>
</tr>
<tr>
<td>Tarragon</td>
<td></td>
</tr>
<tr>
<td>Pepper</td>
<td></td>
</tr>
<tr>
<td>Bay leaves</td>
<td></td>
</tr>
<tr>
<td>Sage</td>
<td></td>
</tr>
<tr>
<td>Allspice</td>
<td></td>
</tr>
<tr>
<td>Nutmeg</td>
<td></td>
</tr>
<tr>
<td>Parsley</td>
<td></td>
</tr>
<tr>
<td>Cinnamon</td>
<td></td>
</tr>
<tr>
<td>Basil</td>
<td></td>
</tr>
<tr>
<td>Cloves</td>
<td></td>
</tr>
<tr>
<td>Chive</td>
<td></td>
</tr>
<tr>
<td>Anise seed</td>
<td></td>
</tr>
<tr>
<td>Mint</td>
<td></td>
</tr>
<tr>
<td>Ginger</td>
<td></td>
</tr>
<tr>
<td>Caraway</td>
<td></td>
</tr>
<tr>
<td>Rosemary</td>
<td></td>
</tr>
<tr>
<td>Thyme</td>
<td></td>
</tr>
<tr>
<td>Mace</td>
<td></td>
</tr>
</tbody>
</table>
# AM I A SPICE OR HERB - ANSWERS

Identify the items below as either a spice or an herb:

<table>
<thead>
<tr>
<th>Item</th>
<th>Am I a Spice or Herb?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mustard</td>
<td>Spice</td>
</tr>
<tr>
<td>Tarragon</td>
<td>Herb</td>
</tr>
<tr>
<td>Pepper</td>
<td>Spice</td>
</tr>
<tr>
<td>Bay leaves</td>
<td>Herb</td>
</tr>
<tr>
<td>Sage</td>
<td>Herb</td>
</tr>
<tr>
<td>Allspice</td>
<td>Spice</td>
</tr>
<tr>
<td>Nutmeg</td>
<td>Spice</td>
</tr>
<tr>
<td>Parsley</td>
<td>Herb</td>
</tr>
<tr>
<td>Cinnamon</td>
<td>Spice</td>
</tr>
<tr>
<td>Basil</td>
<td>Herb</td>
</tr>
<tr>
<td>Cloves</td>
<td>Spice</td>
</tr>
<tr>
<td>Chive</td>
<td>Herb</td>
</tr>
<tr>
<td>Anise seed</td>
<td>Spice</td>
</tr>
<tr>
<td>Mint</td>
<td>Herb</td>
</tr>
<tr>
<td>Ginger</td>
<td>Spice</td>
</tr>
<tr>
<td>Caraway</td>
<td>Spice</td>
</tr>
<tr>
<td>Rosemary</td>
<td>Herb</td>
</tr>
<tr>
<td>Thyme</td>
<td>Herb</td>
</tr>
<tr>
<td>Mace</td>
<td>Spice</td>
</tr>
</tbody>
</table>
LESSON PLAN - RECEIVING METHODS - EXERCISE

Recipe

Purpose and Practice:

- Reading material previously studied in class
- Remembering what was learned

Ingredients

<table>
<thead>
<tr>
<th>Page 409 learners’ handout</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 410 instructor’s answer key</td>
</tr>
</tbody>
</table>

Method

- Instructor prepares appropriate number of “Receiving Methods” handouts for the learners
- Individually, learners fill in the banks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

Cooking Time

20 minutes

Essential Skills being practiced

✓ Document Use
✓ Reading Text
✓ Thinking Skills

Tip:

Encourage learners to strike off a word once it is used for easy tracking.
RECEIVING METHODS - EXERCISE

Use the following words to complete the sentences below on receiving methods:

<table>
<thead>
<tr>
<th>receiving</th>
<th>errors</th>
<th>document</th>
</tr>
</thead>
<tbody>
<tr>
<td>invoice</td>
<td>ordered</td>
<td>receives</td>
</tr>
<tr>
<td>checked</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The main reason for having a consistent method for accepting __________________________ goods is to ensure that the establishment __________________________ exactly what has been ordered. __________________________ often happen, and unless the quantity and quality of the items delivered are carefully __________________________ against what was ordered, big losses can happen. When __________________________ procedures are carefully performed, mistakes that could cost the restaurant time and money are avoided.

The most important __________________________ in determining if the goods received are the goods ordered is the __________________________.
The main reason for having a consistent method for accepting _______________________ ordered goods is to ensure that the establishment ______________________ receives exactly what has been ordered. ___________________ errors often happen, and unless the quantity and quality of the items delivered are carefully __________________ checked against what was ordered, big losses can happen. When __________________ receiving procedures are carefully performed, mistakes that could cost the restaurant time and money are avoided.

The most important __________________ document in determining if the goods received are the goods ordered is the __________________ invoice.
## Purpose and Practice:

- Reading material previously studied in class
- Remembering what was learned

## Ingredients

<table>
<thead>
<tr>
<th>Page 412</th>
<th>Page 413</th>
</tr>
</thead>
<tbody>
<tr>
<td>learners’ handout</td>
<td>instructor’s answer key</td>
</tr>
</tbody>
</table>

## Method

- Instructor prepares appropriate number of “Invoices” handouts for the learners
- Individually, learners fill in the banks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

## Cooking Time

| 20 minutes |

## Essential Skills being practiced

- Document Use
- Reading Text
- Thinking Skills

## Tip:

Encourage learners to strike off a word once it is used for easy tracking.
INVOICES - EXERCISE

Use the following words to complete the sentences below on invoice methods:

<table>
<thead>
<tr>
<th>inspecting</th>
<th>purchase order</th>
<th>itemized</th>
<th>opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>accepted</td>
<td>price</td>
<td>matches</td>
<td>discrepancies</td>
</tr>
<tr>
<td>signature</td>
<td>belong</td>
<td>recorded</td>
<td>responsibilities</td>
</tr>
</tbody>
</table>

An invoice is an ______________ list of the goods delivered to an establishment.

An invoice shows the quantity, quality, and ______________ per kilogram or unit. Only by careful comparison and checking can you be sure that the information on the invoice ______________ with the products received.

Whenever possible, the invoice also should be checked against the ______________ ______________. The quality of the goods should be determined before the goods are ______________. For example, ______________ boxes of fresh produce and ______________ frozen foods should be done to ensure quality.

When you are satisfied that the delivery is in order, write your ______________ on the invoice. Once you have signed, you have relieved the delivery company of its ______________ and the supplies now ______________ to your company. After you sign off, you may become responsible for any ______________ between what is on the invoice and what has been delivered to you.

Do not sign the invoice until you are sure that all discrepancies have been taken care of and ______________ on the invoice.
INVOICES - ANSWERS

Use the following words to complete the sentences below on invoice methods:

<table>
<thead>
<tr>
<th>inspecting</th>
<th>purchase order</th>
<th>itemized</th>
<th>opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>accepted</td>
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<td>discrepancies</td>
</tr>
<tr>
<td>signature</td>
<td>belong</td>
<td>recorded</td>
<td>responsibilities</td>
</tr>
</tbody>
</table>

An invoice is an itemized list of the goods delivered to an establishment.

An invoice shows the quantity, quality, and price per kilogram or unit. Only by careful comparison and checking can you be sure that the information on the invoice matches with the products received.

Whenever possible, the invoice also should be checked against the purchase order. The quality of the goods should be determined before the goods are accepted. For example, opening boxes of fresh produce and inspecting frozen foods should be done to ensure quality.

When you are satisfied that the delivery is in order, write your signature on the invoice. Once you have signed, you have relieved the delivery company of its responsibilities and the supplies now belong to your company. After you sign off, you may become responsible for any discrepancies between what is on the invoice and what has been delivered to you.

Do not sign the invoice until you are sure that all discrepancies have been taken care of and recorded on the invoice.
LESSON PLAN - RECEIVING PRACTICES – PHRASE MATCH

From the kitchen of

BASIC FOOD SERVICES & KITCHEN MANAGEMENT

Purpose and Practice:

- Reading material previously studied in class
- Practice matching sentence parts (phrases) to form the best possible sentence

Ingredients

Page 415
Learner’s study sheet “Receiving Practices”

Page 416
Phrase Match Activity Sheet

Method

- Instructor prepares appropriate number of Receiving Practices Study Sheet for the learner’s review
- Instructor and learners review the receiving practices together and discuss
- Instructors makes 2-5 sets of the Receiving practices Phrase match page by cutting the phrases into strips and shuffling them so that the phrases are not in order
- In small groups, learners match phrases together to form a meaningful sentence
- Learners refer to their study sheet to check their work

Cooking Time

30 minutes

Essential Skills being practiced

✓ Oral Communication
✓ Document Use
✓ Working with Others
✓ Thinking Skills

Tip:

If learners are struggling, invite them to look for the phrases that begin with a capital letter and those phrases ending with a period.
RECEIVING PRACTICES – STUDY SHEET

The Hazard Analysis and Critical Control Points (HACCP) system is an operation system which ensures that as many precautions as possible are undertaken to eliminate, minimize or prevent any kind of unacceptable contamination.

The following are important elements to consider when receiving products in general:

✔ Never assume that all the food you receive is good enough to eat

✔ The receiving dock and related areas should be well lit and kept very tidy. Make sure this is area is part of your daily cleaning routine.

✔ Schedule your deliveries to allow enough time for proper inspection and receiving of all food products

✔ Have all the necessary equipment and containers on hand like scales, plastic gloves, containers and thermometers.

✔ Record the temperatures of the delivery truck’s refrigerated and freezer storage. If the temperature is not within an adequate range do not accept the shipment.
Never assume that all the food you receive is good enough to eat.

The receiving dock and related areas should be well lit and kept very tidy. Make sure this is area is part of your daily cleaning routine.

Schedule your deliveries to allow enough time for proper inspection and receiving of all food products.

Have all the necessary equipment and containers on hand like scales, plastic gloves, containers and thermometers.

Record the temperatures of the delivery truck’s refrigerated and freezer storage. If the temperature is not within an adequate range do not accept the shipment.
### Purpose and Practice:
- Reading material previously studied in class
- Reviewing qualities of dry foods, dairy products, produce and meats, poultry and seafood

### Ingredients

<table>
<thead>
<tr>
<th>Page 418</th>
<th>Learner’s study sheet “Suggested Receiving Methods”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 419</td>
<td>Suggested Receiving Methods questionnaire</td>
</tr>
<tr>
<td>Page 420</td>
<td>Suggested Receiving Methods answer key</td>
</tr>
</tbody>
</table>

### Method

- Instructor prepares appropriate number of the Suggested Receiving Methods study sheet and the questionnaire
- Learners review the information individually and the information is discussed as a whole group
- Learner’s complete the questionnaire on their own
- Instructor reviews the answers with the group

### Cooking Time

30 minutes

### Essential Skills being practiced

- Reading Text
- Writing
- Thinking Skills
SUGGESTED RECEIVING METHODS – READING EXERCISE

Each group of food products requires a different receiving procedure. The procedure depends on whether the products are dry foods, dairy products, fresh produce or meats. No matter what the product type, the principal component in a receiving procedure is accuracy.

**Dry Foods:**

Dry foods or goods are usually shipped in cartons, bags, cases or pails. Count the pieces and check that the number of pieces match with the number listed on the invoice. It is a good practice to tick on the invoice the items that are correct.

If a carton is damaged, check inside the carton carefully to be sure that the goods are not damaged. Pay special attention to leaky cartons that contain products in glass jars or bottles because it is difficult to get credit once the delivery person has left your premises.

If sealed cartons look like they have been opened, check the contents. Check bags and pails for damage or leakage.

Canned goods are delivered in cases or cartons. A count and a quality check of the cans should be made. The two most common types of damage to cans are swelling and large dents.

**Dairy Products**

Dairy products are perishable and do not store long. Check the date on each container; it shows a “Best Before Date”. The “Best Before Date” should be about a week away from the receiving date.

**Produce**

Produce is delivered in bags, cases or cartons. Count the number of pieces, weigh items and check for quality. Open closed cases and cartons to check the produce for ripeness, freshness and other signs of quality.

**Meats, poultry and seafood**

Fresh meat is shipped in pieces and/or by weight. Count and weigh the fresh meat items. Check for leaking vacuum packed (Cryovac) packages and check the grade of the meat against the grade on the invoice. Confirm that the cuts of meat are the way that was ordered.

Frozen products are often delivered in cases and cartons. Open the cases and cartons to count the items and to check for signs of freezer burn, torn wrappings, partial thawing or other kinds of problems.
SUGGESTED RECEIVING METHODS – QUESTIONNAIRE

1. What are the two most common types of damage to cans?

2. What should the “Best Before Date” be?

3. Name two things that you must check produce for

4. Name three things that you must check frozen foods for

5. What is another term for vacuum packed packages?

6. What should you do if a box or carton is damaged upon delivery?
**SUGGESTED RECEIVING METHODS – ANSWERS**

1. What are the two most common types of damage to cans?
   - *swelling and large dents*

2. What should the “Best Before Date” be?
   - *a week away from the receiving date*

3. Name two things that you must check produce for
   - *ripeness and freshness*

4. Name three things that you must check frozen foods for
   - *freezer burn, torn wrappings, partial thawing*

5. What is another term for vacuum packed packages?
   - *Cryovac*

6. What should you do if a box or carton is damaged upon delivery?
   - *open the box/carton to make sure that the contents aren’t damaged*
## Purpose and Practice:
- Reading material previously studied in class
- Identifying storage methods for dry goods, refrigerated products, dairy products, produce, fresh meats, poultry and seafood, and frozen foods.
- Drawing the ideal dry goods storage room

### Ingredients
- Pages 422, 423, 424
  - Storing Methods
  - Study Sheet A, B and C
- Page 425, 426
  - Storing Methods
  - Exercise 1
- Page 427, 428
  - Storing Methods
  - Exercise 2
  - (Blank paper and markers)

### Method
- Instructor prepares appropriate number of Study Sheets A, B and C
- In small group, learners review the information and discuss
- Continuing in small groups, the learners draw and ideal dry goods storage room using the information provided in study sheet A
- Each group presents their ideal storage room
- Instructor provides appropriate number of Exercise 2, questionnaire
- In the same small groups, learners complete the questionnaire together
- All come together to review the answers to Exercise 2

### Essential Skills being practiced
- Working with Others
- Reading Text
- Document Use
- Oral Communication
- Thinking Skills

### Tip:
This exercise could be turned into a poster exercise by providing larger size posterette paper and lots colorful markers and other craft supplies.

### Lesson Plan - Storing Methods – Study Sheet - A/B/C

From the kitchen of

---

**Recipe**

---

**BASIC FOOD SERVICES & KITCHEN MANAGEMENT**
## STORING METHODS – STUDY SHEET - A

<table>
<thead>
<tr>
<th>Storage</th>
<th>Details</th>
</tr>
</thead>
</table>
| **Dry Food**     | Storeroom:  
Area should be dry and cool  
Ideal temperature 10 – 15 degrees C (50 to 59 degrees F)  
Room should be easy to clean. All wall, ceiling and floor openings should be sealed and protected to prevent access by rodents and bugs.  
Supplies should be easy to arrange and rearrange in the space for easy stock rotation; shelves should be in the middle of the room so they can be stocked by both sides.  
FIFO means “first in, first out” concept for stock rotation.  
Area should be well lit.  
Do not store items right on the floor; shelving must be at least 15 cm above the floor.  
Aisles should be wide enough to allow entry for carts or dollies to prevent injuries from lifting.  
Storage room should be locked to prevent from people stealing supplies. Consider it like a bank safe. |
| **Refrigerated Products** | Basic rule: Store raw products below, NEVER above your cooked or “ready to eat” products.  
All refrigerators should be provided with a thermometer and daily readings taken.  
They must be kept in perfect working order and a regular service contract should be made with a local refrigerator repair company.  
If the refrigerator stops running, always check the power supply cord or breaker.  
Clean refrigerators on a regular basis.  
Use the FIFO system.  
Never put hot foods in the refrigerator.  
Do not leave the refrigerator door open for longer than necessary. |
### STORING METHODS – STUDY SHEET - B

<table>
<thead>
<tr>
<th>Storage</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dairy Products</td>
<td>Must be stored at 2 to 4°C (36 to 39°F). Should be stored in their own storage area in protective coverings because the fat in dairy products picks up strong odors from other foods. Do not store dairy products in a vegetable cooler. Rotate dairy products when new stock arrives; these products should not be ordered too far in advance.</td>
</tr>
<tr>
<td>Produce</td>
<td>Most produce is stored at 2 to 4°C (36 to 39°F) to ensure freshness and to prevent spoilage. Potatoes and bananas should be stored at higher temperatures (bananas will turn black quickly if stored in a refrigerator). Soft fruits should not be stored too long; its best to buy soft fruits as you need them. Unripe fruit can be ripened at storeroom temperatures. They will ripen much more slowly under refrigerator conditions. Removing rotting fruit from cases as one piece can affect other pieces; the chain reaction can quickly destroy the quality of a whole case of fruit! Hardy vegetables like carrots and cabbage last for weeks. Delicate vegetables like lettuce should be bought as fresh as possible as they do not keep well. Moisture on vegetables makes them soft and cause rot.</td>
</tr>
<tr>
<td>Storage</td>
<td>Details</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Fresh meats, poultry and seafood</td>
<td>Fresh meat should not be kept too long.</td>
</tr>
<tr>
<td></td>
<td>Don’t keep boned meat longer than three days. Use individual cuts within two days. Its best to use them on the day they were cut!</td>
</tr>
<tr>
<td></td>
<td>Keep individual meat cuts like steaks, chops, stewing meat and ground beef covered on plastic or stainless steel trays at 2 to 4</td>
</tr>
<tr>
<td></td>
<td>degrees C (36 to 39°F).</td>
</tr>
<tr>
<td></td>
<td>Fresh poultry should be packed in ice and stored in the refrigerator.</td>
</tr>
<tr>
<td></td>
<td>Fresh seafood should be packed in ice, and stored at -1 to 1 degree C (30 to 34°F) and used as soon as possible.</td>
</tr>
<tr>
<td>Frozen Foods</td>
<td>Frozen fruit and vegetables will keep for months if they are properly wrapped.</td>
</tr>
<tr>
<td></td>
<td>Fish and meat can also keep frozen for a long time if properly wrapped.</td>
</tr>
<tr>
<td></td>
<td>Improperly wrapped frozen foods will develop “freezer burn” which is a loss of moisture that affects both the texture and the flavour</td>
</tr>
<tr>
<td></td>
<td>of the food. A common sign of freezer burn is a white or grey dry spot on the surface of the frozen product. Meat is especially prone</td>
</tr>
<tr>
<td></td>
<td>to freezer burn.</td>
</tr>
<tr>
<td></td>
<td>Stock rotation is extremely important, so use the FIFO system.</td>
</tr>
</tbody>
</table>
STORING METHODS – EXERCISE 1

Using the information from your Storing Methods Study Sheet, draw and label the ideal dry goods storeroom below:
STORING METHODS – EXERCISE 1 - SAMPLE

Using the information from your Storing Methods Study Sheet, draw and label the ideal dry goods storeroom below:
1. What does FIFO stand for and what does it mean?

2. What is the basic rule for storing refrigerated products?

3. Why should dairy products be stored away from other foods?

4. Why should rotting fruit be removed from cases right away?

5. Describe “freezer burn”. What does it look like?
1. What does FIFO stand for and what does it mean?
   First in, first out: means the first item stored should be the first item used (example use eggs bought on Monday before the ones bought on Friday)

2. What is the basic rule for storing refrigerated products?
   Store raw products below, and never above cooked or “ready to eat” products.

3. Why should dairy products be stored away from other foods?
   Because the fat in dairy products picks up strong odors from other foods.

4. Why should rotting fruit be removed from cases right away?
   Because one rotten piece can affect another and could ruin the whole case.

5. Describe “freezer burn”. What does it look like?
   Freezer burn is a loss of moisture that affects texture and flavour. Looks like a white or grey spot of the frozen product.
### Purpose and Practice:
- To name 3 agents (mould, yeast and bacteria) and their corresponding characteristics

### Ingredients
- Page 430 Food Deterioration Study Sheet
- Page 431 Food Deterioration Exercise 1
- Page 432 Food Deterioration Answer key

### Method
- Instructor makes appropriate number of Food Deterioration study sheets
- Individually, learners review the three agents and their corresponding characteristics
- Instructor hands out the exercise sheet and learners practice committing the information to memory by completing the exercise
- Whole class reviews the answers

### Cook Time
- 20 minutes

### Essential Skills being practiced
- Thinking Skills – Significant use of memory
- Document Use

### Tip:
Learners may be encouraged to discuss tips and tricks for memorizing information.
### FOOD DETERIORATION – STUDY SHEET

<table>
<thead>
<tr>
<th>Agent</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mould</td>
<td>Bluish-green color and hair-like fungal structure. Usually grows on bread, fruit and cheese.</td>
</tr>
<tr>
<td>Yeast</td>
<td>Plant microorganisms that are present in the air at all times. Cause fruit and vegetables to ferment and rot by changing the natural sugars into alcohol and carbon dioxide. Process done on purpose to make wines and beers. The production of carbon dioxide during fermentation causes bread to rise.</td>
</tr>
<tr>
<td>Bacteria</td>
<td>Usually the first agents to begin the decomposition process but are the hardest to detect. Usually not noticeable until the decomposition process advances to where the food product smells bad.</td>
</tr>
</tbody>
</table>
FOOD DETERIORATION – EXERCISE 1

Read the characteristics appropriate agent column and identify the:

<table>
<thead>
<tr>
<th>Agent</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usually the first agents to begin the decomposition process but are the hardest to detect. Usually not noticeable until the decomposition process advances to where the food product smells bad.</td>
<td></td>
</tr>
<tr>
<td>Bluish-green color and hair-like fungal structure. Usually grows on bread, fruit and cheese.</td>
<td></td>
</tr>
<tr>
<td>Plant microorganisms that are present in the air at all times. Cause fruit and vegetables to ferment and rot by changing the natural sugars into alcohol and carbon dioxide. Process done on purpose to make wines and beers. The production of carbon dioxide during fermentation causes bread to rise.</td>
<td></td>
</tr>
</tbody>
</table>
FOOD DETERIORATION – EXERCISE 1 - ANSWERS

Read the characteristics appropriate agent column and identify the:

<table>
<thead>
<tr>
<th>Agent</th>
<th>Characteristics</th>
</tr>
</thead>
</table>
| **Bacteria** | Usually the first agents to begin the decomposition process but are the hardest to detect.  
Usually not noticeable until the decomposition process advances to where the food product smells bad. |
| **Mould** | Bluish-green color and hair-like fungal structure.  
Usually grows on bread, fruit and cheese. |
| **Yeast** | Plant microorganisms that are present in the air at all times.  
Cause fruit and vegetables to ferment and rot by changing the natural sugars into alcohol and carbon dioxide.  
Process done on purpose to make wines and beers.  
The production of carbon dioxide during fermentation causes bread to rise. |
## LESSON PLAN - FOOD DETERIORATION – WHAT DOES IT LOOK LIKE WHEN IT IS GOING BAD?

### Purpose and Practice:
- To review the changes that occur when food is deteriorating

### Ingredients

<table>
<thead>
<tr>
<th>Page</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>434</td>
<td>What does it look like when it is going bad? – Study Sheet</td>
</tr>
<tr>
<td>435</td>
<td>What does it look like when it is going bad? – Exercise</td>
</tr>
<tr>
<td>436</td>
<td>What does it look like when it is going bad? – Answer Key</td>
</tr>
</tbody>
</table>

### Method
- Instructor prepares appropriate number of Study and Exercise sheets
- In small groups, learners read the study sheet
- Using the Exercise sheet, learners practice describing on their own describing what certain foods look like when they go bad
- Learners check their answers against the Answer Key

### Cooking Time
20 minutes

### Essential Skills being practiced
- Thinking Skills – Significant use of memory
- Document Use

### Tip:
Learners may be encouraged to cut the study sheet into study cards
FOOD DETERIORATION – WHAT DOES IT LOOK LIKE WHEN IT IS GOING BAD?
When food is deteriorating, you will notice changes in its color, odor, and taste:

<table>
<thead>
<tr>
<th>Food Product</th>
<th>What does it look like when it’s going bad?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fruit</td>
<td>Goes soft, gets darker and quickly rots.</td>
</tr>
<tr>
<td>Vegetables</td>
<td>Start by wilting and then become slimy and rotten.</td>
</tr>
<tr>
<td>Butter, cheese and dairy products</td>
<td>Get darker and develop a sour smell.</td>
</tr>
<tr>
<td>Eggs</td>
<td>Become darker and smell bad.</td>
</tr>
<tr>
<td>Meat</td>
<td>Changes gradually at first, then becomes darker and begins to smell “off”.</td>
</tr>
</tbody>
</table>
FOOD DETERIORATION – WHAT DOES IT LOOK LIKE WHEN IT IS GOING BAD? - EXERCISE

When food is deteriorating, you will notice changes in its color, odor, and taste. Identify what happens when the food products below deteriorate:

<table>
<thead>
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</tr>
</thead>
<tbody>
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<td></td>
</tr>
<tr>
<td>Vegetables</td>
<td></td>
</tr>
<tr>
<td>Fruit</td>
<td></td>
</tr>
<tr>
<td>Meat</td>
<td></td>
</tr>
<tr>
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<td></td>
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FOOD DETERIORATION – WHAT DOES IT LOOK LIKE WHEN IT IS GOING BAD?

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</tr>
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<td>Meat</td>
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</tr>
<tr>
<td>Butter, cheese and dairy products</td>
<td>Get darker and develop a sour smell.</td>
</tr>
</tbody>
</table>
**Recipe**

**Purpose and Practice:**
- To review the meaning of Reduce-Reuse-Recycle and their differences

**Ingredients**
- Page 438
  - Reduce-Reuse-Recycle – Study Sheet
- Page 439
  - Reduce-Reuse-Recycle – Exercise
- Page 440
  - Reduce-Reuse-Recycle – Sample Answers

**Method**
- Instructor prepares appropriate number of Study and Exercise sheets
- In small groups, learners read the study sheet and identify the difference between the 3 terms
- Using the Exercise sheet, learners write in their own words the differences between the 3 terms
- As a whole group, each small groups present what they have written

**Cooking Time**
- 30 minutes

**Essential Skills being practiced**
- Reading Text
- Document Use
- Writing
- Working with Others
- Oral Communication

**Tip:** Encourage learners to participate as a team and agree on what they will write. They may wish to take turns writing. This exercise works well as an individual exercise as well. The sample answers may be helpful too.
Reducing solid wastes may seem like a difficult task, but it really is not. The food service industry uses a lot of packaging, so even a few basic re-use or recycling techniques can produce positive results even in a short time. Restaurants who focus on this task have been known to reduce their solid waste by as much as 50%.

Waste Management Terms:

<table>
<thead>
<tr>
<th>Term</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduce</td>
<td>This means looking for safe ways to avoid using unnecessary materials. Reducing will help to preserve resources, lower energy costs and reduce the demand for landfill space.</td>
</tr>
<tr>
<td>Re-use</td>
<td>This means looking in your workplace to identify and use safe products and materials that you can keep using over and over again.</td>
</tr>
<tr>
<td>Recycle</td>
<td>This means identifying and using products that can be collected and remanufactured so that the original raw material can continue to be useful rather than take up space in a landfill.</td>
</tr>
</tbody>
</table>
REDUCE – REUSE – RECYCLE METHODS - EXERCISE 1

In your own words, describe the differences between “reduce”, “reuse” and “recycle”:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
REDUCE – REUSE – RECYCLE METHODS –
EXERCISE 1 - SAMPLE ANSWER

To reduce is to find ways to limit the amount of material and packaging used in the workplace like using containers that can be washed instead of throw away storage containers.

To reuse means to find things in the workplace that can be reused over and over again, like stainless steel cutlery and coffee mugs instead of paper and plastic.

To recycle means using packaging materials that can be sent back to a manufacturer to break down and reuse the raw materials like breaking down cardboard boxes and having them picked up by a recycling company.
LESSON PLAN - REDUCE – REUSE – RECYCLE METHODS

From the kitchen of
KITCHEN MANAGEMENT

Ingredients

Page 442
Study Sheet

Page 443
Interview Question
Exercise

Page 444
Interview Question
Sample question

Method

- Instructor prepares appropriate number of Study and Exercise sheets
- In small groups, learners read the RRR study sheet and discuss the value of the guidelines being presented
- Using the Exercise sheet, learners prepare sample questions about RRR that could be asked during an interview
- As a whole group, each small groups present their questions

Purpose and Practice:

- To review job guidelines for working as a team toward effective waste management

Cooking Time

30 minutes

Essential Skills being practiced

✓ Reading Text
✓ Writing
✓ Working with Others
✓ Oral Communication

Tip:

This is a good opportunity to talk about the importance of asking questions during a job interview, particularly at the end.
WORKING WITH OTHERS TO REDUCE, REUSE AND RECYCLE IN THE WORKPLACE

Here are some on the job guidelines for a team approach to effective waste management:

1. Make sure that you understand your operation’s overall goals for waste reduction and recycling and the in-house procedures that have been set up to achieve them.

2. Keep up with the changes. New products are always being developed like recyclable packaging and re-usable shipping containers. Your municipality or regional district may introduce other recycling systems that will be to your advantage.

3. Read all the information handouts and procedure manuals on waste management that your company distributes and attend all information meetings about new products and procedures.

4. If it is appropriate, be prepared to make suggestions about ways to reduce, re-use and recycle materials.

5. You are the one with the regular hands on experience with the products, and you are probably the first to see ways in which waste can be avoided. Some food service operations have incentive schemes to encourage employee input.
Questions to ask an Employer during an Interview

At the end of an interview, employers often ask if you have any questions. Brainstorm some questions that you could ask your prospective employer about reducing, reusing and recycling. A good employer will likely be impressed that you are interested in waste management practices:
Questions to ask an Employer during an Interview - Sample Questions

At the end of an interview, employers often ask if you have any questions. Brainstorm some questions that you could ask your prospective employer about reducing, reusing and recycling. A good employer will likely be impressed that you are interested in waste management practices:

1. What are your in-house procedures for waste reduction?

2. If I was to see ways to reduce, reuse and recycle materials at work to save money for your restaurant, how would I go about sharing my ideas?
BASIC BAKING
LESSON PLAN - FUNDAMENTAL RULE OF BAKING, FLOURS, FATS, STARCHES, LEAVENING AGENTS

From the kitchen of BASIC BAKING

Purpose and Practice:

- Reviewing material previously studied in class
- Working as a team to put together information that has meaning

Ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 447</td>
<td>• Instructor prepares appropriate number of review sheets for distribution after the exercise</td>
</tr>
<tr>
<td>Fundamental Rule of Baking</td>
<td>• Instructor also prepares puzzle sets by cutting each sheet into puzzle pieces (cut along dotted lines) and separates the sets into envelopes or bags</td>
</tr>
<tr>
<td>Page 448, Flours</td>
<td>• Class is divided into pairs or small groups and given a “puzzle set”</td>
</tr>
<tr>
<td>Page 449, Starches</td>
<td>• In small group, learners put the puzzle pieces together so that the study sheets are complete</td>
</tr>
<tr>
<td>Page 450, Fats</td>
<td>• Small groups reconvene and instructor distributes study sheets</td>
</tr>
<tr>
<td>Page 451, Starches</td>
<td>• Instructor leads a discussion around the information contained in the study sheets</td>
</tr>
</tbody>
</table>

Cooking Time

1 hour

Essential Skills being practiced

- Working with Others
- Reading Text
- Thinking Skills

Tip: Complexity level of the exercise can be adjusted by putting ALL of the puzzle pieces in one envelope, to 2 sheets of puzzle pieces to 1 sheet at a time. The size of the puzzle pieces can be enlarged or reduced depending on the complexity level desired as well. Color code sets for easy sorting and re-setting for the next class.
The fundamental rule in baking:

Weigh all ingredients!

In baking, measurement is by weight, not by volume. For example, bake shop formulas (the bakery term for recipes) will call for flour in grams (ounces) or kilograms (pounds). This is quite different from home cookbook recipes that express measurement in cups, ounces, litres and millilitres. This is one fundamental rule of baking.
Flour is classified by its protein content. Flour proteins are important because of their gluten forming potential. Gluten is responsible for volume, texture and appearance of the baked goods. It provides structure and helps retain the gas produced by leavening agents when the flour and leavening are kneaded. Flours that are high in protein are called strong flours; those that are low in protein are called weak flours.

A baker is interested in three main categories of flour:

- **Bread flour**: high in protein (gluten forming potential)
- **Pastry flour**: less protein than bread flour
- **Cake flour**: has the least gluten of all three

The more gluten in a flour, the more liquid the flour is able to absorb.
The fats used in baking are:
Starches are mainly used to thicken puddings, sauces, pie fillings, and similar products. Waxy maize and modified starches do not break down when frozen and are useful when preparing a frozen product or dessert. Cornstarch products set up like gelatin thickened ones and similar products. Cornstarch must first be dissolved in a cold liquid; then introduced into a boiling liquid and cooked until the product boils again. This is to remove the starchy flavor and to make sure that the starch is cooked.

Waxy maize and modified starches do not break down when frozen so are useful when preparing a frozen product or dessert.
Leavening Agents

Leavening agents are designed to lighten the texture and increase the volume of baked goods. They work by producing carbon dioxide when mixed with a liquid acid ingredient such as buttermilk, honey, molasses, and chocolate. Because baking soda reacts instantly with a liquid acid ingredient such as mixed with a liquid, carbon dioxide is produced which causes the batter to rise.

**Baking soda** produces gas bubbles when mixed with a liquid acid ingredient. Sometimes air trapped in the mixture by creaming batter or lemoning eggs during the mixing stage is the leavening agent. Sometimes air trapped in the mixture by creaming batter or lemoning eggs during the mixing stage is the leavening agent.

**Yeast** is a fungi organism that converts sugars into alcohol and carbon dioxide in a reaction called fermentation. Yeast is an organism that converts sugars into alcohol and carbon dioxide in a reaction called fermentation.

The most common leavening agents are **yeast** and **baking powder and baking soda**

Leavening agents are designated to lighten the texture and increase the volume of baked goods. They work by producing carbon dioxide when they come in contact with moisture. The gas causes the dough or batter to rise when (and sometimes before) the mixture is placed in an oven. Sometimes air is trapped in the mixture by creaming batter or lemoning eggs during the mixing stage. Sometimes air is trapped in the mixture by creaming batter or lemoning eggs during the mixing stage.

**Baking powder** consists of baking soda (bicarbonate of soda), a mild acid (cream of tartar), and usually a moisture absorber such as cornstarch. When baking powder is mixed with a liquid, carbon dioxide is produced which causes the batter to rise.

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**Recipe**

**From the kitchen of**

**BASIC BAKING**

**Purpose and Practice:**

- To reinforce information previously learned using study cards and a group game

---

**Ingredients**

- Any ring toss, bean bag toss type game that will enable a two team challenge
- Page 453, 454, 455 Basic Principles of Baking Quiz Cards (3 sheets, 18 quiz cards total)
- Scissors (one pair per learner)
- One envelope per learner

---

**Method**

- Instructor prepares appropriate number of sets of review cards for each learner (3 sheets each, 3 quiz cards per sheet)
- Each learner receives a set
- Learners are instructed to cut out each quiz card along the dotted lines so that they have 6 cards per sheet and 18 cards in total, each set of cards is shuffled and tucked into envelopes (1 set per learner)
- Working in pairs, learners take turns: one pulls a card and asks the question while the other answer (hints are allowed!); halfway through the deck, learners switch roles until all questions have been asked
- Instructor then invites the learners to form 2 separate groups and challenge the groups to a ring/bean bag toss
- Instructor uses his/her own set of cards and takes turns asking each group a question. For each successful answer, a team member tosses the ring or bean back and points are accumulated
- Instructor goes through all the questions, scores are tallied and a winning team is announced
- In the case of a tie, instructor re-shuffles the questions and continues on until the tie is broken

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**Cooking Time**

1 hour

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**Essential Skills being practiced**

- Working with Others
- Reading Text
- Thinking Skills

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**Tip:**

*Not all adult learners are comfortable with competitive challenges or games. Invite those individuals to be question askers and score keepers so that they are still involved.*

*Suggest that learners continue to use their set of questions throughout the program as study cards.*
Question: What is the fundamental rule in baking?
Answer: Weigh all ingredients.

Question: What is another word for a baking recipe?
Answer: Bake shop formula.

Question: When it comes to measurement of quantities of flour, how are bakeries different from at home baking?
Answer: In a bakery, flour is weighed in grams/ounces or kilograms/pounds (as opposed to cups, litres, millilitres). In a bakery, flour is weighed in a bakery, flour is weighed.

Question: What is gluten responsible for?
Answer: Volume, texture and appearance of the baked good.

Question: What are the 3 main categories of flour?
Answer: Bread flour, pastry flour, and cake flour.

Question: Which type of flour is the highest in protein?
Answer: Bread flour.
Question: Which type of flour has the least amount of gluten?
Answer: Cake flour

Question: Why are fats used in baking referred to as “shortening”?
Answer: Because the action of the fat is to shorten the effect of the gluten.

Question: What are the 4 main fats used in baking?
Answer: Butter, margarine, lard, and regular shortenings.

Question: What are starches mainly used for?
Answer: To thicken puddings, sauces, and pie fillings.

Question: How do you remove the starchy flavour from cornstarch and make sure that it is cooked.
Answer: First dissolved in a cold liquid, then introduced into a boiling liquid and cooked until the product boils again.

Question: What is “waxy maize” used for?
Answer: Frozen products/desserts.
Question: What do leavening agents do in baking?

They lighten the texture and increase the volume of baked goods.
Answer: Yeast, baking powder, baking soda.

Question: What are the most common leavening agents?

Yeast, baking powder, and baking soda.
Answer: Because it reacts instantly.

Question: What reaction happens when using yeast?

Fermentation.
Answer: Carbon dioxide is produced which causes the batter to rise.

Question: What are 4 examples of liquid acid ingredients?

Buttermilk, honey, molasses, chocolate.
Answer: These ingredients provide a tangy flavor to baked goods.

Question: Why should you mix baking soda with other dry ingredients before adding a liquid?

Because it reacts instantly.
Answer: This prevents the baking soda from clumping and ensures even distribution in the batter.

- Answer: They lighten the texture and increase the volume of baked goods.
- Answer: Buttermilk, honey, molasses, chocolate.
- Answer: Yeast, baking powder, baking soda.
- Answer: Because it reacts instantly.
- Answer: Carbon dioxide is produced which causes the batter to rise.
- Answer: These ingredients provide a tangy flavor to baked goods.
- Answer: Because it reacts instantly.
LESSON PLAN - PIE DOUGH – FILL IN THE BLANKS

**Recipe**

From the kitchen of BASIC BAKING

**Purpose and Practice:**
- Reading material previously studied in class about using proper mixing techniques
- Remembering what was learned

**Ingredients**
- Page 457 (learners’ handout)
- Page 458 (instructor’s answer key)

**Method**
- Instructor prepares appropriate number of “pie dough” exercise sheets for the learners
- Individually, learners fill in the blanks using the words provided to complete the passage.
- Instructor reviews the answers with the class in a group setting

**Cooking Time**
- 20 minutes

**Essential Skills being practiced**
- Document Use
- Reading Text
- Thinking Skills

**Tip:** Encourage learners to strike off a word once it is used for easy tracking.
PIE DOUGH - EXERCISE

Even though pie crust involves just a few ingredients, the secret to making quality pie crust is in using proper mixing techniques.

Use the following words to fill in the blanks for the points to keep in mind when making pie dough:

1. Cut the shortening into ______________ pieces before ______________ it into the flour.

2. Mix the shortening and flour to the proper consistency looking like coarse cornmeal for ______________ dough or small nuggets the size of peas for ______________ dough.

3. Use __________ water to bind the pastry. Do not ______________ the dough.

4. Cover finished pastry with ______________ or plastic wrap and refrigerate for at least ______________ before rolling it out.

Remember: A quality pie will have:

- A golden brown appearance
- Fit the pan well
- Be tender and cut easily
- A texture that is flaky or mealy
- A neutral taste
Even though pie crust involves just a few ingredients, the secret to making quality pie crust is in using proper mixing techniques.

Use the following words to fill in the blanks for the points to keep in mind when making pie dough:

1. Cut the shortening into ______ small ______ pieces before ___ rubbing ___ it into the flour.

2. Mix the shortening and flour to the proper consistency looking like coarse cornmeal for ______ flaky ______ dough or small nuggets the size of peas for ______ mealy ______ dough.

3. Use _____ cold____ water to bind the pastry. Do not _____ overwork____ the dough.

4. Cover finished pastry with ______ wax paper ______ or plastic wrap and refrigerate for at least ______ 30 minutes ______ before rolling it out.

**Remember:** A quality pie will have:

- A golden brown appearance
- Fit the pan well
- Be tender and cut easily
- a texture that is flaky or mealy
- A neutral taste
LESSON PLAN - WHAT HAPPENED TO MY PIE CRUST?

Recipe

From the kitchen of

Purpose and Practice:

- To review the various negative characteristics of a pie crust and the probable cause of this characteristic

Ingredients

- Page 460
- What happened to my pie crust?
  - Study Sheet
- Page 461
- What happened to my pie crust?
  - Phrase Match Exercise

Method

- Instructor prepares appropriate number of Study sheets for the learners
- Using the Phrase Match Exercise sheet, the Instructor prepares 3 or more sets by cutting the sheet into smaller cards (characteristics and probable causes)
- Instructor “shuffles” the cards and places them in an envelope
- In small groups, the learners work together to match a characteristic to its matching probable cause
- Once completed, the instructor hands out the study sheet so that the learners may check their answers

Cooking Time

- 20 minutes

Essential Skills being practiced

- ✓ Thinking Skills
  - Significant use of memory
- ✓ Document Use

Tip:

Learners may be encouraged to cut the study sheet into small cards so that they may practice the matching exercise on their own
### WHAT HAPPENED TO MY PIE DOUGH?

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Probable Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crust has a very dark colour</td>
<td>Crust overbaked or baked at too high of a temperature.</td>
</tr>
<tr>
<td>Crust is white or pale in colour</td>
<td>Crust probably undercooked or handled too much during preparation.</td>
</tr>
<tr>
<td>Crust has shrunken in size</td>
<td>Crust may have been overstretched when lining the pie pan or dough not allowed to rest before baking.</td>
</tr>
<tr>
<td>Crust is too flaky</td>
<td>Crust may have been poorly mixed, have too much shortening or too little liquid.</td>
</tr>
<tr>
<td>Crust is not tender but tough</td>
<td>Crust may have been handled too much or may contain too much liquid.</td>
</tr>
<tr>
<td>Crust is quite dry</td>
<td>Crust may have been overmixed, shortening cut too fine or too little liquid used.</td>
</tr>
<tr>
<td>Crust is dense in texture</td>
<td>Crust probably undercooked or too much liquide used.</td>
</tr>
<tr>
<td>Crust has an off-taste</td>
<td>Crust may have been made with inferior quality (rancid) shortening.</td>
</tr>
<tr>
<td>Crust tastes burnt</td>
<td>Crust has been overcooked.</td>
</tr>
<tr>
<td>Crust has a very dark colour</td>
<td>Crust overbaked or baked at too high of a temperature.</td>
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<td>----------------------------</td>
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</tr>
</tbody>
</table>
## LESSON PLAN - COMMON TYPES OF PIE DOUGH

### Purpose and Practice:
- Learner`s will review 3 types of pie dough and their unique ingredients

### Ingredients

<table>
<thead>
<tr>
<th>Page</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>463</td>
<td>(study sheet)</td>
</tr>
<tr>
<td>464</td>
<td>(exercise sheet)</td>
</tr>
<tr>
<td>465</td>
<td>(answer key)</td>
</tr>
</tbody>
</table>

### Method
- Instructor prepares appropriate number of study sheets for “Common types of pie dough”.
- Learners complete the exercise sheets on their own or in groups
- Come together as a whole class to review matches

### Cooking Time
- 30 minutes

### Essential Skills being practiced
- Reading Text
- Thinking Skills
- Document Use
- Working with Others (if exercise is done in a group setting)

### Tip:
Sheets can be cut into “type and description” study cards to improve memory.
## COMMON TYPES OF PIE DOUGH - STUDY SHEET

<table>
<thead>
<tr>
<th>Types of Pie Dough</th>
<th>Description</th>
</tr>
</thead>
</table>
| Basic Pie Dough    | Mixture of butter and shortening as the fat. Other ingredients include sugar, salt and eggs.  
Example: tarts and pie dough |
| Sugar Dough        | Mixture of flour, sugar, baking powder, butter and egg.  
Example: fresh fruit tarts |
| Hot Water (English Raised) Pastry | Mixture of lard (or margarine) and water brought to a boil and flour is stirred in and mixed as well. Mixture is turned onto a floured board and kneaded.  
Example: meat pies |
COMMON TYPES OF PIE DOUGH - EXERCISE

Read the pie dough description and write the type of pie dough in the space provided:

<table>
<thead>
<tr>
<th>Types of Pie Dough</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mixture of lard (or margarine) and water brought to a boil and flour is stirred in and mixed as well. Mixture is turned onto a floured board and kneaded.</td>
<td>meat pies</td>
</tr>
<tr>
<td></td>
<td>Mixture of butter and shortening as the fat. Other ingredients include sugar, salt and eggs.</td>
<td>tarts and pie dough</td>
</tr>
<tr>
<td></td>
<td>Mixture of flour, sugar, baking powder, butter and egg.</td>
<td>fresh fruit tarts</td>
</tr>
</tbody>
</table>
COMMON TYPES OF PIE DOUGH - ANSWERS

Read the pie dough description and write the type of pie dough in the space provided:

<table>
<thead>
<tr>
<th>Types of Pie Dough</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hot Water (English Raised) Pastry</td>
<td>Mixture of lard (or margarine) and water brought to a boil and flour is stirred in and mixed as well. Mixture is turned onto a floured board and kneaded.</td>
<td>meat pies</td>
</tr>
<tr>
<td>Basic Pie Dough</td>
<td>Mixture of butter and shortening as the fat. Other ingredients include sugar, salt and eggs.</td>
<td>tarts and pie dough</td>
</tr>
<tr>
<td>Sugar Dough</td>
<td>Mixture of flour, sugar, baking powder, butter and egg.</td>
<td>fresh fruit tarts</td>
</tr>
</tbody>
</table>
### Purpose and Practice:

- Learner’s will review the unique characteristics of unbaked and baked pies

### Ingredients

<table>
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<tr>
<th>Page 467</th>
<th>Unbaked and baked pies study sheet</th>
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<tr>
<td>Page 468</td>
<td>Unbaked and baked pies questionnaire</td>
</tr>
<tr>
<td>Page 469</td>
<td>Unbaked and baked pies answer key</td>
</tr>
</tbody>
</table>

### Method

- Instructor prepares appropriate number of study sheets for “Unbaked and baked pies”
- Learners review the study sheet.
- Learners complete the questionnaire on their own or in small groups
- Come together as a whole class to review matches

### Cooking Time

30 minutes

### Essential Skills being practiced

- Reading Text
- Thinking Skills
- Document Use
- Working with Others
  (if exercise is done in a group setting)
There are two types of pies: unbaked and baked

<table>
<thead>
<tr>
<th>Unbaked Pies</th>
<th>Baked Pies</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Uses a pie crust that has been baked</td>
<td>• Uses a pie crust that is unbaked.</td>
</tr>
<tr>
<td>• Pie is served after the filling has set</td>
<td>• Sometimes a partially baked crust is used</td>
</tr>
<tr>
<td>• Cream pies are unbaked pies</td>
<td>• Examples of baked pies include: pumpkin, pecan and fruit.</td>
</tr>
<tr>
<td>• When baking a pie crust without a filling, the pie shell should be pricked with a fork and fitted with a paper liner that can be filled with dry peas, dry beans or uncooked rice.</td>
<td></td>
</tr>
<tr>
<td>• This process is called “baking blind” and prevents the crust from blistering while it is baking.</td>
<td></td>
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</tbody>
</table>
### UNBAKED AND BAKED PIES - QUESTIONNAIRE

1. **Name two types of pies?**

2. **What kind of pie crust do you use for an unbaked pie?**

3. **When do you serve an unbaked pie?**

4. **When would you use the “baking blind” process? Describe this procedure.**

5. **What is an example of an unbaked pie?**

6. **What kind of pie crust does a baked pie usually start with?**
UNBAKED AND BAKED PIES - ANSWERS

1. Name two types of pies?
   
   Baked and Unbaked.

2. What kind of pie crust do you use for an unbaked pie?
   
   A baked pie crust.

3. When do you serve an unbaked pie?
   
   When the filling has set.

4. When would you use the “baking blind” process? Describe this procedure.
   
   Lining the shell with wax paper and filling it with dry peas, beans or uncooked rice.

5. What is an example of an unbaked pie?
   
   Cream pie.

6. What kind of pie crust does a baked pie usually start with?
   
   Usually an unbaked pie crust.
LESSED PLAN - QUICK BREADS – MUFFIN METHOD & BISCUIT METHOD

**Purpose and Practice:**

- Learner’s will review and compare the 3 step Muffin and the 5 step Biscuit methods

**Ingredients**

- Page 471
  - Muffin and Biscuit method study sheet

- Page 472
  - Muffin method sorting cards

- Page 473
  - Biscuit method sorting cards

**Method**

- Instructor prepares appropriate number of study sheets for “Quick Breads – Muffin method and biscuit method” study sheet
- Learners review the study sheet.
- Learners cut the sorting cards into steps, shuffle and arrange in order
- Come together as a whole class to review matches

**Cooking Time**

- 30 minutes

**Essential Skills being practiced**

- ✓ Reading Text
- ✓ Thinking Skills
- ✓ Document Use
- ✓ Working with Others
  (if exercise is done in a group setting)
Quick breads do not use yeast as a leavening agent. Quick breads rise because of the aerating action of baking powder, baking soda or eggs. The word “aeration” describes the process of allowing air to be combined into ingredients to make them lighter and/or create more volume.

There are two main methods for mixing the ingredients used in quick breads – the muffin method and the biscuit method.

**The Three Step Muffin Method**

1. Mix the dry ingredients (including powdered milk if it is used) in a bowl.
2. Combine liquid ingredients such as eggs, milk and melted fat in a separate bowl.
3. Add the liquid ingredients to the dry ingredients and mix only enough to dampen the dry ingredients even though the mixture will be lumpy.

**The Five Step Biscuit Method**

1. Mix the dry ingredients in a mixer bowl.
2. Add the fat to the dry ingredients and cut it in with a pastry knife attachment or by hand.
3. Combine liquid ingredients in a separate bowl.
4. Add liquid to dry ingredients and mix to make a soft dough.
5. Knead the dough gently to develop the gluten. Do not overknead as this will toughen the dough and biscuits.
QUICK BREADS – MUFFIN METHOD EXERCISE

Arrange the following methods in order by step:

1. Mix the dry ingredients (including powdered milk if it is used) in a bowl.

2. Combine liquid ingredients such as eggs, milk and melted fat in a separate bowl.

3. Add the liquid ingredients to the dry ingredients and mix only enough to dampen the dry ingredients even though the mixture will be lumpy.
QUICK BREADS – BISCUIT METHOD EXERCISE

Arrange the following methods in order by step:

1. Mix the dry ingredients in a mixer bowl.
2. Add the fat to the dry ingredients and cut it in with a pastry knife attachment or by hand.
3. Combine liquid ingredients in a separate bowl.
4. Add liquid to dry ingredients and mix to make a soft dough.
5. Knead the dough gently to develop the gluten. Do not overknead as this will toughen the dough and biscuits.
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<td>Yolanda Green Interviews Warehouse Volunteer Joyce Powell.</td>
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Special Thanks
Resources

PROFESSIONALISM - CHEFS AND RESTAURANTS - WORDMATCH
11 x 17 Posters & Board Games

PAGE 68 - TEMPERATURE DANGER ZONE - 11 X 17 POSTER
PAGE 72 - PROPER HANDWASHING PROCEDURE - 11 X 17 POSTER
PAGE 77 - SAFE BEHAVIOUR ON THE JOB - 11 X 17 POSTER
PAGE 148 - SHOOTS & LADDERS EXERCISE - 11 X 17 BOARD GAME
PAGE 260 - HOT & COLD SANDWICHES - 11 X 17 POSTER
The temperature danger zone is:

- The broad range of temperatures at which bacteria multiply rapidly between 4°C (40°F) and 140°F (60°C).
- Between 4°C (40°F) Celsius and 60°C (140°F) Fahrenheit.

**Temperature Danger Zone**

**LEGEND**

°F = Fahrenheit

°C = Celsius

0°C Freezer Temperature
Proper Hand Washing Procedures

1. Use hot running water
   Wet hands and forearms

2. Apply soap
   Rub hands and arms briskly with soapy lather for at least 20 seconds

3. Scrub between fingers and clean nails with a clean nail brush

4. Rinse thoroughly under hot running water

5. Reapply soap and scrub hands and forearms for another 5 to 10 seconds

6. Rinse again

7. Dry hands and arms using a single-use towel

8. Use the towel to turn off the water
   Discard the towel in a trash bin
Clean up spills as soon as they occur

Learn to operate equipment properly; always use guards and safety devices

Do not use unless guards are in position!

Do not wear jewelry or loose clothing when operating

Walk, do not run

Keep exits, aisles and stairs clear and unobstructed

Always assume a pot or pan is hot; handle with dry towels

Position pot and pan handles out of the aisles so they do not get bumped

Get help or use a cart when lifting or moving heavy objects

Avoid back injury by lifting with your leg muscles; stoop, do not bend, when lifting

Use a well placed ladder or stool for climbing; do not use a chair, box, drawer or shelf

Keep breakable items away from food storage or production areas

Warn people when you must walk behind them, especially when carrying a hot pan
HOT or COLD Sandwiches

Sandwiches must be prepared under strict sanitation and hygiene conditions because they are generally served uncooked.

GENERAL RULES:
1: Correct sanitation procedures observed.
2: Only quality products used.
3: All products are fresh.
4: Moisture balance is correct.
5: Proper work methods have been followed, particularly with respect to neatness, productivity and convenience.
6: The product is appealing to the eye; your sandwich should be neat, arranged appeal and garnished appropriately.
7: Portion size is appropriate.
8: The cost of food is within the range allotted for it.

Freshness is one of the major qualities desired, whether the sandwich is prepared to order or mass produced. You should carefully estimate the number of sandwiches you need in a day and never keep or use sandwiches that are over twenty four hours old.

BREADS
As well as ensuring that the bread is fresh, it is also desirable to use a variety of breads in sandwich making.

SPREADS
Spreads softened butter or margarine to the edges of the bread slices. Softened butter, margarine, cream cheese and peanut butter will form a protective coating that prevents moist fillings from soaking the bread.

Mayonnaise or salad dressing, if spread directly onto the bread will also soak into the soggy bread.

Avoid melted butter or margarine, as these will soak into the bread and make a soggy sandwich.

FILLINGS
Make sure fillings are applied evenly across the bread slice and that enough is used to make the sandwich attractive and appetizing.

Ensure that the filling is neither too dry nor too moist, and that it is correctly seasoned. Make sure that moist fillings such as tuna or egg salad have an easy to spread consistency.

Greens such as lettuce and watercress should be used only in sandwiches that are to be eaten at once.

HOT FILLINGS
The most common type of hot filling is probably the hamburger patty. It is important to remember that when making a sandwich with a hot filling that you ensure the filling is hot. The filling should be cooked until the internal temperature reaches at least 74 degrees C before being removed from the cooking surface. The product may then be held at a temperature not lower than 60 degrees C.