

Careers in Action

Summer Teacher Internship/Lesson Plan Writing Project

This lesson has been endorsed by Leo Cantu, General Manager, Tony Roma's Restaurant

Janell Seligman	Nutrition and Food Science	Summer 2007
Teacher's Name	Course/Subject	Date(s)/Time

Content	Objective(s)	Career Concentration(s)
	TLW demonstrate sanitation when preparing and storing food as defined by ServSafe® Food Safety Guidelines	<input type="checkbox"/> Agricultural Science <input type="checkbox"/> Art, Communications & Media <input type="checkbox"/> Business & Marketing <input checked="" type="checkbox"/> Health Science Technology <input checked="" type="checkbox"/> Human Dev., Management & Services <input type="checkbox"/> Industrial and Engineering <input type="checkbox"/> Personal and Protective Services

TEKS Reference: Family and Consumer Science: 122.42 Neutrino and Food Science 8 B, D

TAKS Reference: Biology-Bacteria, Illness

Process	Focus/Anticipatory Set	Bloom's Taxonomy in Lesson	Multiple Intelligences	SCANS																																											
	This lesson is the second of three lessons. Using "How Quickly Bacteria Grows", TTW show students the number of "microorganisms" In each container and explain that time refers to the number of minutes food is held at the danger zone temperatures.	<input checked="" type="checkbox"/> Knowledge <input checked="" type="checkbox"/> Comprehension <input checked="" type="checkbox"/> Application	<input type="checkbox"/> Linguistic <input checked="" type="checkbox"/> Logical/Math <input type="checkbox"/> Musical <input checked="" type="checkbox"/> Spatial	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">Foundation</td> <td></td> <td>A</td> <td>B</td> <td>C</td> <td>D</td> <td>E</td> <td>F</td> </tr> <tr> <td>1</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>2</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>3</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>	Foundation		A	B	C	D	E	F	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>														
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	Relevance/Connection to Workplace	<input checked="" type="checkbox"/> Analysis <input checked="" type="checkbox"/> Synthesis <input checked="" type="checkbox"/> Evaluation	<input type="checkbox"/> Bodily-Kinesthetic <input checked="" type="checkbox"/> Intrapersonal <input type="checkbox"/> Interpersonal <input checked="" type="checkbox"/> Naturalist	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Competencies</td> <td></td> <td>A</td> <td>B</td> <td>C</td> <td>D</td> <td>E</td> <td>F</td> </tr> <tr> <td>1</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>2</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>3</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>4</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>5</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Competencies		A	B	C	D	E	F	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Instructional Methodology (Activities)	Instructional Material(s)
<input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Teacher Modeling <input type="checkbox"/> Media Presentation <input checked="" type="checkbox"/> Small Group <input checked="" type="checkbox"/> Class/Group Discussion <input checked="" type="checkbox"/> Question/Answer <input checked="" type="checkbox"/> Guided Practice <input checked="" type="checkbox"/> Independent Practice	Adventures in Food and Nutrition , Goodheart-Wilcox, "Teacher Resources" Chapter 9, <i>Keeping Food Safe to Eat</i> number 18, page 114-115: Textbook- Guide to Good Food Chapter 6, Student Activity C-6 page 35: Nutrition, Food and Fitness , Goodheart-Wilcox "Teacher Resources Lab Activity" <i>In the Danger Zone</i> pages 157-159, Your Choice of Cookbooks with Protein Recipes

Detail(s) of Instructional Methodology (Activities)	Materials/Resources
Day 1(1)TTW give notes from text in chapter 6 pages 120-123, and lead a discussion through guidelines for food safety and sanitation, cook and chill. (2) Using the Internet, TLW search safe cooking internal temperatures using a food thermometer then completes Student Activity C-6 Temperature Control page 35, Day 2 (1) Using food thermometers, recording data and drawing conclusions, TLW conduct the experiment In The Danger Zone to test how hot the danger zone is. Day 3 TLW select a protein recipe from a cookbook then sketch the correct temperatures for cooking, holding, transporting, cooling and reheating on a food ohmmeter.	jelly beans, macaroni, beads, 7 resalable baggies, 7 labels, assorted food thermometers, saucepan, shallow soup bowl, clock, spoon, ice cubes, students will need a recipe file with protein recipes, a blank food thermometer worksheet for each student

Use of Technology	
Overhead, Computers for students	
www.foodsafety.org	www.fightbac.org
www.cfsan.fda.gov	www.usda.gov
www.medlineplus	www.foodhaccp.com
www.centerforfoodsafety.org	www.nsta.org

Accommodations

For Special Needs Populations- Visuals will be used with a word wall, ESL - need to have a Spanish/English dictionary and for special ed students use visuals and key words. Website www.fightbac.org

Product	Assessment	Bloom's Taxonomy in Assessment
	<input type="checkbox"/> Teacher Evaluation <input type="checkbox"/> Employer Evaluation <input type="checkbox"/> Test/Quiz <input type="checkbox"/> Peer/Self Evaluation <input type="checkbox"/> Written/Oral Presentation <input checked="" type="checkbox"/> Others; <u>Protein Recipe</u> Temperatures on a Thermometer	<input type="checkbox"/> Knowledge <input type="checkbox"/> Comprehension <input checked="" type="checkbox"/> Application <input type="checkbox"/> Analysis <input checked="" type="checkbox"/> Synthesis <input type="checkbox"/> Evaluation

Reteach Activity/Homework	Lesson Closure
TLW design a poster that teaches others about the dangers of the danger zone	You have completed the second section of food safety, preparing and storing. The third lesson is to complete the requirements as defined by ServSafe® Program that will be taught by the city Health Department. Upon completion of the third lesson you will receive the certification of Food Handlers Permit