Food Science 2nd 9-Weeks Lesson Plans

Plans for October 17, 2017
Warm-up: Chapter 4 – Vocabulary Exercise
Procedures: 1) PowerPoint – The Three States of Matter
2) Complete Chapter 4 – Basic Food Chemistry: The Nature of Matter
3) Plan Homogeneous and Heterogeneous Lab for next class
4) Worksheet: What’s the Matter?

Plans for October 18/19, 2017
Warm-up: Brain Pop States of Matter
Procedures: 1) Lab: Heterogeneous and Homogeneous Mixtures
2) Worksheet: Chapter 4 Review

Plans for October 20/23, 2017
Warm-up:
Procedures: 1) Lecture: Begin Chapter 5 – Energy: Matter in Motion
2) Plan Peanut Brittle Lab (Chemical Reactions and Physical Changes) for next class –
   Read pg. 228 in text about Caramelization
3) Worksheet- Matching Matter
4) PowerPoint: Microwave Cooking
5) Activity: Soap in a microwave / marshmallow in a microwave

Plans for October 24/25, 2017
Warm-up: Microwave Pretest
Procedures: 1) Lab: Changes Involved in Making Peanut Brittle-Chemical Reactions and Physical Changes

Plans for October 26/27, 2017 -Classes will be in H130
Warm-up:
Procedures: 1) Lecture: Complete Chapter 5 – Energy: Matter in Motion
2) Videos: Youtube-Conduction, Convection & Radiation – 3:24
3) Worksheet: Chapter 5 Review
4) Plan Curds & Whey Lab for next class

Plans for October 30/31, 2017
Warm-up: An Energetic Meal
Procedures: 1) Lab: Curds & Whey – changing a liquid to a solid
2) Lab: Color Changing Milk – Molecular Motion
3) Chapter 4 & 5 Test – Next Class

Plans for November 1/2, 2017
Warm-up: Review for Test
Procedures: 1) Plan Heat Lab for next class
2) Chapter 4 & 5 Test
3) Video: Colorful Chemistry of Acids & Bases – 11:25
4) Lecture: Begin Chapter 6 – Ions: Charged Particles in a Solution
Plans for November 3/6, 2017 – 3rd Pep Rally
Warm-up:
Procedures: 1) Lab: Cooking with different forms of heat-Conduction, Convection, & Radiation
   Conduction – Grilled Cheese Sandwiches
   Convection – Tomato Soup
   Radiation – Chocolate Lava Microwave Cake-in-a-Mug
   2) Video: Discovery Education: Elements of Chemistry-Acids, Bases & Salts – 20min.

Plans for November 7/8, 2017
Warm-up: Brain Pop – Acids & Bases
Procedures: 1) Lecture: Complete Chapter 6 - Ions: Charged Particles in a Solution
   2) Videos: Baking Powder vs Baking Soda (FB)
      Dr. Phil – Bulimia
      Food Science TV -Leavening – 5:16
   3) Lab: Leavening Agent Freshness Test
   4) Plan Leavening Agents Lab
   5) Worksheet: What’s the Charge?

Plans for November 9/10, 2017
Warm-up: Leavening Agents
Procedures: 1) Lab: pH of Common Foods
   2) Finalize Leavened Cupcake Lab / Leavened Products Lab
   3) PP: The Role of Acids and Bases in the Human Body
   4) Plan Leavening Agents Lab
   5) The Science of Leavening Agents – 11:38
   6) Worksheet: Chapter 6 Review

Plans for November 13/14, 2017
Warm-up:
Procedures: 1) Lab: Leavened Cupcake Lab
   2) Finalize Leavened Products Lab

Plans for November 15/16, 2017
Warm-up:
Procedures: 1) Leavened Products Lab

Plans for November 17/27, 2017
Warm-up: PP Intro: Functions of Water in the Body
Procedures: 1) Lecture: Begin Chapter 7 – Water: The Universal Solvent
   2) Worksheet: The Universal Solvent

Plans for November 28/29, 2017
Warm-up:
Procedures: 1) Lab: Surface Tension of Water
   2) Worksheet: Chapter 7 Review

Plans for November 30/December 1, 2017 - Dec.1-OCL
Warm-up: Healthy Hunting
Procedures: 1) Chapter 6 & 7 Test-Next Class
   2) Movie: Modern Marvels-Sugar w/questions
Plans for December 4/5, 2017
Warm-up: Grains in the News
Procedures: 1) Chapter 6 & 7 Test-Next Class
             2) Video: Fed Up w/questions

Plans for December 6/7, 2017
Warm-up: Review for Chapter 6 & 7 Test
Procedures: 1) Chapter 6 & 7 Test
             2) Video: Complete Fed Up w/questions

Plans for December 8/11, 2017
Warm-up: 1) Final Exam Review

Plans for December 12/13, 2017
Warm-up: 1) Final Exam Review

Plans for December 14, 2017
Warm-up: 1) Final Exam Review

Plans for December 15, 2017
Warm-up: 1) B2 – Fall Final Exam

Plans for December 18, 2017
Warm-up: 1) Final Exam Review

Plans for December 19, 2017
Warm-up: 1) B3 – Fall Final Exam

Plans for December 20, 2017
Warm-up: 1) A3 – Fall Final Exam

This is the end of the second 9-weeks!! All assignments are due.