

<b>Academic Chemistry</b>		
<b>Location</b>	Room 207	
<b>Instructor</b>	Miss Hong	
<b>Planning Period</b>	2:00 – 2:43	<b>Parent Teacher Conferences may be scheduled before school from 7:45 to 8:00 or during the planning period.</b>
<b>Email</b>	<a href="mailto:shong@mercer.k12.pa.us">shong@mercer.k12.pa.us</a>	
<b>Google Classroom</b>	Period 3: vokoggv      Period 8: 2tmsvgq	
<b>Description</b>	Chemistry is a course designed for students considering college after completion of high school. It will focus on the facts, formulas, and principles that are essential for success in the college environment. By focusing on the concepts, facts, formulas, and principles, students will develop critical-thinking and problem-solving skills. Through the laboratory experience, the concepts and principles will be reinforced and put into practical use. The goal of this course is for students to master the concepts and skills essential to a successful future in the science of chemistry.	
<b>Texts Used</b>	Modern Chemistry by Holt, Rinehart and Winston (2012 ed.).	
<b>Homework Policy and Philosophy</b>	Homework will be assigned regularly. It will provide students an opportunity to practice concepts taught in class that day or be a review of previously covered material. It is expected that each student will give his/her best effort on homework assignments. Homework will be collected and graded every time. In addition to written homework, students should be regularly reading the text book and reflecting on what we learned in class. Please ask for clarification if topics do not make sense.	<b>Homework Philosophy</b> Students will have two (2) homework passes a quarter. If you do not complete the homework, you will not get the points for the assignment. I will accept homework one day late .
<b>Grading</b>	Grades are based on percentage system and the number of assessments and grades will vary from semester to semester. Evaluations will be in (but not limited to) the following forms:  Test/Quizzes (45%)  Labs (25%)  Homework (20%)  Classwork (10%)	<b>Academic Integrity</b>  "Students caught cheating, plagiarizing, copying homework and/or test, quizzes, and using a paper from the Internet will be given a "0" (zero) on that assignment. In addition, their name will be reported to the office and filed in the event of future violations. Repeated violation could result in removal from class and a non-passing grade."  <b>When a student is in jeopardy of failing, a progress report will be sent home. This will occur during the 3rd and 6th weeks in junior high block classes, and any time after the 4th week in other classes.</b>
96.5 A+		
92.5 A		
89.5 A-		
86.5 B+		
82.5 B		
79.5 B-		
76.5 C+		
72.5 C		
69.5 C-		
66.5 D+		
62.5 D		
59.5 D- Below F		

<b>Classroom Rules</b>	<p><b>Be on time.</b>  <b>Be prepared for class with your notebook, calculator, textbook and a writing utensil on a daily basis.</b>  <b>Treat others (teacher and students) with respect.</b></p> <p><b>Students will receive participation points each day for following the rules, failure to do so will result in a warning, loss of points, phone call home, and lastly detention.</b></p> <p><b>Students must also read over and sign a laboratory contract where specific instructions will be reviewed on lab day.</b></p>	<p style="text-align: center;"><b>Make-Up Work</b></p> <p>"Students on a pre-approved trip of more than one day will be expected to makeup any work minimally on the second full day upon the student's return up to a maximum of five days. Students are required to get all missed work prior to pre-approved absence.</p> <p>For one day or one period - school related absence (athletics/academic games, etc) - it is the student's responsibility to make up the work upon their return to the classroom. It is recommended that they see the teacher ahead of time to determine what they will miss while they are gone."</p> <hr/> <p style="text-align: center;"><b>Late to Class</b></p> <p>"A student who is late to class will be given a verbal warning on the first offense. Additional offenses will result in a discipline referral to the office."</p>
<b>Required Materials</b>	<b>3 ring binder, notebook, calculator</b>	
<b>Additional Help</b>	<p><b>Students who seek additional help should make an appointment with the instructor.</b></p> <p><b>I am available before school and after school. Please do not hesitate to ask for help.</b></p>	

**OUTLINE OF MATERIAL COVERED IN THIS CLASS**

<b>Days</b>	<b>Material Covered During Time Period</b>	<b>Notes</b>
10	Chapters 1 & 2: Matter and change & Measurements and calculations	Chapter Test will occur at the completion of this material. This chapter includes one lab.
5	Mini unit on factor label	Chapter Test will occur at the completion of this material. This chapter includes one lab.
11	Chapter 3: Atoms- the building blocks of matter	Chapter Test will occur at the completion of this material. This chapter includes one lab.
12	Chapter 4: Arrangement of electrons in atoms	Chapter Test will occur at the completion of this material. This chapter includes one lab.
7	Chapter 5: The periodic law	Chapter Test will occur at the completion of this material. This chapter includes one lab and two activities.
6	Chapter 22: Nuclear Chemistry	Chapter Test will occur at the completion of this material. This chapter includes two labs.
8	Chapter 6a: Chemical bonding	Chapter Test will occur at the completion of this material. This chapter includes two labs.
8	Chapter 6b: Molecular geometry	Chapter Test will occur at the completion of this material. This chapter includes one lab.
8	Chapter 7: Chemical formulas and chemical compounds	Chapter Test will occur at the completion of this material. This chapter includes one lab and one activity.
12	Chapter 8: Chemical equations and reactions	Chapter Test will occur at the completion of this material. This chapter includes three labs and several activities.
13	Chapter 9: Stoichiometry	Chapter Test will occur at the completion of this material. This chapter includes two labs.
13	Chapter 17: Reaction energy and Reaction kinetics	Chapter Test will occur at the completion of this material. This chapter includes three labs.
11	Chapters 10 & 12: Physical characteristics of gases, liquids and solids	Chapter Test will occur at the completion of this material. This chapter includes two labs.

6	<b>Chapter 11: Molecular composition of gases</b>	<b>Chapter Test will occur at the completion of this material. This chapter includes two labs.</b>
7	<b>Chapter 13: Solutions</b>	<b>Chapter Test will occur at the completion of this material. This chapter includes two labs.</b>
7	<b>Chapter 14: Ions in aqueous solutions and colligative properties</b>	<b>Chapter Test will occur at the completion of this material. This chapter includes one lab.</b>
6	<b>Chapters 15 &amp; 16: Acids and bases and Acid-Base titration and pH</b>	<b>Chapter Test will occur at the completion of this material. This chapter includes two labs.</b>
8	<b>Chapter 18: Chemical equilibrium</b>	<b>Chapter Test will occur at the completion of this material. This chapter includes one lab.</b>
6	<b>Chapter 19: Oxidation and Reduction</b>	<b>Chapter Test will occur at the completion of this material. This chapter includes one lab.</b>
6	<b>Chapters 20 &amp; 21 Organic Chemistry</b>	<b>Chapter Test will occur at the completion of this material. This chapter includes one lab.</b>
<b>170 days of instruction</b>	<b>Content and schedule are subject to change at the discretion of the teacher.</b>	<b>Note: There will be a comprehensive final exam in this class.</b>