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High School Chemistry

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**\*\*Students will need a calculator! Chemistry cannot be done without it!**

The following is a projected schedule of activities for the first semester. **Please Note that this syllabus is subject to additions and changes.**

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| 9/3  Welcome to Chemistry | 9/5 Student Safety Contract Due Milk Lab  |
| 9/10 Intro to Chapter 1: Matter and Change  | 9/12 Conservation of Mass Lab |
| 9/17  Chapter 1 Questions due, Chapter 1 QuizIntroduce Chapter 2: Scientific Measurement  | 9/19 Conservation of Mass Lab Report Due Density Lab |
| 9/24 Chapter 2 Questions due, Chapter 2 QuizIntro Chapter 3: Problem Solving in Chemistry | 9/26 Conversions Lab |
| 10/1 Chapter 3 Questions due, Chapter 3 Quiz  Intro to Chapter 4: Atomic Structure  | 10/3 Noodle Lab |
| 10/8  Chapter 4 Questions due, Chapter 4 Quiz | 10/10  Review for chap 1 – 4 test |
| 10/15 Test on Chapters 1 - 4 | 10/17 Intro to Chapter 5: Chemical Names and Formulas |
| 10/22  Chemical Formulas Lab | 10/24  Chapter 5 Questions due, Chapter 5 Quiz  Introduce Chapter 6: Chemical Quantities |
| 10/29  Mole Lab | 10/31Chapter 6 Questions due, Chapter 6 Quiz Introduce Chapter 7: Chemical Reactions |
| 11/5 Balancing Chemical Equations Lab | 11/7  Chapter 7 Questions due, Chapter 7 Quiz |
| 11/12  Balancing Chemical Equations Lab Report Due Review Chapters 5 - 7 | 11/14   Test on Chapters 5 - 7 |
| 11/19 Introduce Chapter 8: Stoichiometry | 11/21 Stoichiometry Lab |
| 11/26  Thanksgiving Week, no class  | 11/28  Thanksgiving Week, no class  |
| 12/3  Chapter 8 Questions due, Chapter 8 Quiz  Intro to Chapter 9: The States of Matter  Student time in Computer lab  | 12/5  Student Presentations |
| 12/10  Chapter 9 Homework Due | 12/12  Sublimation Lab |
| 12/17  Semester Review | 12/19  Mid-term exam on chapters 1 - 9  |

**Chapter Questions and Quizzes:** All students are expected to complete the assigned chapter questions. On the day that these questions are due, students will receive a “1” for “complete”, or a “0” for ”incomplete”. (Any assignments with 2 or more untried questions or “idk” responses will be considered incomplete.) The homework will be graded together during class, during which the student should take opportunities to clarify any misunderstandings. At the end of the day a brief quiz (3 – 10 questions) will be given to assess student understanding of content.

**Labs**: Being safe and observant while conducting laboratory experiments, as well as writing precise and detailed lab reports, is a large part of what scientists “do”. All laboratory experiments will be done during class time. Students are required to complete and turn in a lab report within 1 week of completing the lab. A lab report format will be supplied to students to use as a guide.

**Final Project and Presentation:** Students will do one presentation each semester. Details will be provided as the event gets closer.

Grading:

**Grading:** Homework 10%

Chapter Quizzes 5%

In-Class Activities and Labs 15%

Chapter Tests 25 %

Lab Reports 25 %

Semester Presentation 10 %

Semester Exam 10%

A+ = 97 – 100%

A = 93 – 96%

A- = 90 – 92%

B+ = 87 – 89%

B = 83 – 86%

B- = 80 – 82%

C+ = 77 - 79%

C = 73 - 76%

C- = 70 - 72%

D+ = 67 - 69%

D = 63 – 67 %

D- = 60 - 62%

 F = 59 and below