High School Chemistry – First Semester Syllabus

Instructor: Mr. Peter Kligmann – Address as "Mr. K." **e-mail:** chemphysclass@gmail.com

Prerequisite: At least 1 semester of Algebra with a strong understanding of cross multiplication/division, use of exponents (addition/ Subtraction, Multiplication/division)

Text book: TBA

Length of class: 16 weeks with a cumulative final.

Testing: An exam will be given at the end of each section.

Assignments: Homework will be given at the beginning of each week and will be due the following week.

Policy: All communications are to be respectful and to the point. There is no such thing as a stupid question; however, the instructor reserves the right to reject any question that arose due to procrastination, laziness, or neglect. You may use any and all resources available for study and assignments. You will be on the honor system for exams. You will do yourself a huge disservice if you cheat, and if you are caught you will fail the course

Grading:

Breakdown: Final = 50%; Exams = 35%; Assignments = 15%.

Letter equivalency: 95% - 100% = A; 90% - 94% = A-; 85% - 89% = B+; 80% - 84% = B;
78% - 79% = B-; 76% - 77% = C+, 73% - 75% = C, 70% - 72% = C-;
65% - 69% = D+; 60% - 64% = D; 55% - 59% = D-, < 55% = E

Scoring:
Example: A student earns the following grades : Average score of all exams is 75%; average score of all assignments is 83%; and the final exam score is 72%.

Calculation: (75 x 0.35) + (83 x 0.15) + (72 x 0.50) = 75% Course grade = **C**

Tentative Schedule

Weeks 1 – 2: Introduction, measurement, the metric system, Scientific notation, significant figures.

Weeks 3 – 4: Atomic theory and structure of the atom

Weeks 5 – 8: The Periodic Chart and Its functions

Weeks 9 – 12: Chemical Bonding

Weeks 12 – 15: Chemical Reactions

Week 16: Study week ending in Final Exam

Note: This syllabus is subject to change without notice at the instructors discretion.