**Physical Science Syllabus**

**Mon - Fri**

**\*All students can take replacement quizzes on the section quizzes before or after school to try to improve their grades. These replacement quizzes must be completed by the day before the chapter test for that chapter**

**INSTRUCTIONAL GOALS**

Physical Science is a freshman science class which is required for graduation. Two general areas will be included within the class: chemistry, which studies the general properties of matter which makes up the world we live in and how different forms of matter may interact with one another and physics, which studies different forms of energy and their relationships to each other. Lab work will stress safe and proper techniques, critical thinking, observation, and data collection and analysis.

**Upon successful completion of the end of the first semester of this course, you will be able to:**

* Classify elements according to similar properties.
* Classify changes in matter as physical or chemical
* Identify the Law of Conservation of Matter in physical and chemical changes
* Construct a model of an atom (e.g., protons, neutrons, electrons, nucleus, electron cloud)
* Identify the reactants and products in a chemical reaction
* Distinguish between balanced and unbalanced chemical equations

**Upon successful completion of the end of the second semester of this course, you will be able to:**

* Use Newton’s Laws to describe the motion of an object
* Describe the relationships between kinetic and potential energy in basic transformations
* Compare and contrast electromagnetic and mechanical waves
* Describe the differences between series and parallel circuits.

**REQUIRED BACKGROUND**

* To successfully complete this course, you must complete all graded and ungraded assignments. More specifically you will need to:
* Come to class prepared every day (with all materials and assignments needed for that day)
* Keep an accurate planner, grade ledger
* Study for quizzes that will be given after each section
* Complete chapter review assignments ahead of deadline and bring it in to have it checked by instructor prior to due date.

**TESTS**

* Tests will be administered at the end of each chapter or unit. Students will be given notice of the next test date as soon as it is determined.
* During finals week of each semester, a cumulative, **open-note test** will be given that will count as 20% of your total grade for that semester. Each quarter grade will be 40% of your final semester grade.

**RE-TAKES**

* All quizzes/tests may be retaken once. The second grade will be the grade that stays in the grade book. The quiz/test must be retaken by the day before the test for that chapter.

**GENERAL RULES**

* Don’t interfere with anyone else’s education
* When I am talking, you are not.

**GRADES**

* **Tests: 40% Quizzes: 30 % Labs: 20 % Homework: 10 %**

**Homework**

* Be forewarned: assignments have due dates and late work will be severely penalized.
* The best possible score a student will receive the first day (day its due) is 75%, and the second day is 50%.
* If student is gone from school because of health issues or school related functions, refer to handbook for make-up work.