

Physical Science Course

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School Motto: To Prepare and Excel

Course Description:

Physical Science is a one semester course that will investigate both Chemistry and Physics. Physical Science itself is not a branch of science, though it is a subject where students learn the basics of two other sciences (Chemistry and Physics). Students are required to pass either Chemistry or a Physics based course before they graduate. This class will prepare the student with proper content knowledge to succeed in those subjects by experimentation, critical thinking skills, math skills (dimensional analysis), science expertise (metric system), peer discussion, and other skills as they explore this course. Topics include: The Properties of matter, atomic structure, chemical reactions, periodic table principles, conservation of matter and energy, forces, motion, gravity, machines, behavior of waves, magnetism, electricity, scientific graphing, inspect the uses of science in careers, examine how everyday things work, and understand the importance of science in life.

Required Materials:

- Scientific Calculator - recommend TI-30 series (provided in class)
- 3 Ring binder, 2 in or more- to keep notes in
- Pencils - **NO PENS!**
- Positive Attitude

Grading:

The students grade will be determined by the following categories:

Daily Work and Assignments	35%
Tests/Exams	30%
Quizzes	20%
Labs/Projects	10%
Homework	5%

Retake Policy

The class is designed to cover all required knowledge during class time with emphasis on daily work. If the student would like to improve his/her grade they may retake any assignment excluding tests and labs. The retake time will be before school and after school. I feel being able to retake an assignment is a luxury and thus the students

needs to put forth effort on their own time for the grade improvement. I will of course be present to help the student through the assignments or any questions they might have. Knowledge is the key and retaking any assignment as many times as necessary (Practice) is helping the student to learn.

Keeping the class notes in a binder will improve studying and the use of the notes will be allowed during some quizzes

What I Expect From My Students:

1. Be respectful to EVERYONE in this classroom and the teacher • In this class we will be working a lot in groups, it is important that you cooperate with others and respect everyone in your group
2. Be prepared for class each day with all materials and a positive attitude
3. Be an ACTIVE learner • Everyone learns differently and at varying paces, so it is important that the **student take charge of their own learning**. If you do not understand a concept please ask. The best way to learn is actively participating in class and asking questions at any time, especially during the time allotted for daily work each day.
4. Follow all school rules. This includes NO CELL PHONES!
5. Daily work is crucial to the students success in this class, it is also 35% of their grade. Chemistry and Physics are difficult sciences and practicing the material will only help the student. Practice makes perfect.
6. Home work will be graded as completion only. Work must be shown! If you do not show work or at least make a valid attempt on the assigned problems (right or wrong answers equals full credit) then the homework assignment is incomplete and will result in a zero.

Absent Policy:

Absents will occur for diverse reasons. The student is responsible for anything missed due to the absence. School policy allows three days from the day of absence in order to complete all the assignments missed.

For Tests/Quizzes, it is the students responsibility to come in before or after school within the three allotted days to be given the Test/Quiz. Communicating with the teacher for special cases is necessary to schedule any missed Tests/Quizzes.

Labs will not be allowed to be make-up due to the classroom restraints, time to set up, and materials needed to accomplish a successful lab. If labs are missed due to absences the lab will be dropped.

“Education is not the learning of facts, but the training of the mind to think”
~Albert Einstein