

Physical Science

Miss Oliver



Objectives

Upon completion of the study of the material, the student will be able to:

- Recognize the Creator in physical science studies and, upon carefully examination, comparing with Scripture, identify fallacies in scientific thought
- Design, analyze, or carry out simple investigations and formulate conclusions
- Explain that atoms have structure and this structure serves as the basis for the properties of elements and the bonds that they form.
- Apply the basic concepts of thermodynamics to phases of matter and phase and chemical changes, as well as other practical applications.
- Know and apply the laws of mechanics to explain the behavior of the physical world.
- Know and apply the laws of electricity and magnetism and explain their significant role in nature and technology.
- Explain and demonstrate how vibrations and waves provide a model for our understanding of various physical phenomena.

Supply List

- Standard loose leaf paper for use in binder, with dividers for Hw, tests and quizzes, and experiments. (Binder may be used for other subjects as well.)
- #2 pencils (no mechanical pencils)
- black or blue pens
- Set of 12 or more colored pencils
- Scientific calculator (If you are going to be taking Alg I, Geom, or Alg II, you should just use your Ti-83.)

Classroom Rules

- Students must sit in assigned seats and be seated, ready to work, when the bell rings.
- Students are in class to learn and thus must sit up, pay attention, and cooperate at all times.
- Students will show respect to everyone and everything.
- *During the frequent lab activities, it is paramount that the students closely follow directions. Any failure to do so or inappropriate behavior will not be tolerated. The safety necessary to participate in laboratory activities requires that all students adhere to the directions given.*

Grading Policies

- Tests – 40 %; Quizzes - 30%; HW/ Class work / participation – 30%
- All HW is due at the beginning of the class. Any late work will receive 80% of grade earned, and must be turned in at least one week before grades are due.