

9th Grade Physical Science
Lesson Plans for September 8-11

Tuesday

Introduction to class/Ice breaker
Discuss Procedures and Planners
Hand out books
Assignment—Read pages 4-11

Wednesday

Objectives: Introduction to Physical Science, “What is Physical Science”?

1. Identify and describe the skills scientists use in their work.
2. Explain how scientific hypotheses can be tested.
3. State why safety rules in the laboratory are important.
4. Distinguish among a scientific hypothesis, theory, and law.
 - I. What is Science?
 - a. Scientific method
 - II. Developing Scientific Laws and Theories
 - III. Careers in Physical Science

Assignment—List in your graphic organizer 5 questions about Physical Science. You will take one of these questions and design a scientific investigation on Friday during class time.

Thursday

Objectives:

1. Develop a hypothesis about how changing the mass of the bob on a pendulum affects the time of a pendulum swing.
2. Control variables so that only the mass of the bob changes.
3. Draw conclusions based on data obtained.

**Pg 10 Lab activity “Swing Time” Developing a Hypothesis
Complete Analyze and Conclude pg 11**

Friday

Objectives:

1. Develop skills of developing a hypothesis and writing a scientific investigation.

Discuss results from lab activity.

Practice writing a hypothesis.

Begin writing a scientific investigation for one scientific question.