

9<sup>th</sup> 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.