

Chapter 1 Outline — About Science

Text Readings (Conceptual Physics by Paul Hewitt ©2002)

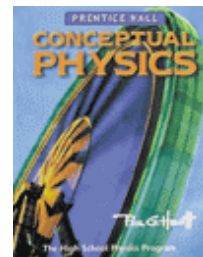
- Introduction (page xix)
- Chapter 1 – page 1–8 *Read it before, during, and after we study this unit in class!*
- Take five minutes to flip through the rest of the book and see what we'll be studying.

Handouts

- A very brief history of science and the universe
- True or False?

Unit objectives (This is what you have to know for the quiz.)

1. Explain what physics is the study of and why it is considered the most basic science.
2. Know what is meant by “the scientific method.”
3. Understand why mathematics is important to scientists. Recognize what a hypothesis is and what scientific facts are.
4. Describe a few major areas of research that physicists are currently undertaking.
5. Explain the difference between science and technology. Give examples of each.
6. Know how science, the arts and religion differ.
7. Know the important contributions that Galileo Galilei and Francis Bacon made to the development of modern scientific methods.
8. Be able to name a few physicists, living or deceased.



Pennsylvania Standards addressed in this unit:

Reading 1.1 – 1.3, 1.7

Mathematics – n/a

Science & Technology

3.1.12.C – Assess and apply patterns in science and technology.

3.2.12.A – Evaluate the nature of scientific and technological knowledge.

3.8.12.C – Evaluate the consequences and impacts of scientific and technological solutions.

Get help if you need it.

www.MrFlint.com

chemtchr@yahoo.com

AIM SN: ljflintstone

Mr. Flint arrives at school by 7:00am, stays after school until 3:00pm and can stay later if needed.

Get a pass from Mr. Flint in advance to come in to school early or to attend activity periods.