



**PHYSICAL SCIENCE IIA**  
**Course Outline: 3305**

**I. Textbook Assignment**

*AGS Physical Science, Part I (5.0 credits)*

- Read: Chapters 1-6.
- Complete: all “Self-Check” or “Lesson Review” exercises.
- Complete: “Chapter Review” exercises.
- Complete one of the Extension Activities.

**II. Extension Activity Options:**

1. Using a computer graphics program, such as the Microsoft WORD drawing toolbar, draw an isotope of hydrogen and lithium. Label all protons, electrons, and neutrons (if any).
2. Complete one of the “Investigation” activities from Chapters 1-6.
3. Complete the “Science in Your Life” activity in Chapter 2 related to the aquarium size.
4. Acid rain occurs when pollutants in the air combine with water vapor in the air to form harmful acids. Use any resource, and/or the Internet with the following search topic, to conduct more thorough research on acid rain: U.S. EPA Acid Rain Program Homepage. Write a 3-paragraph summary from your research discussing what acid rain is, what causes it, how it is measured, what are the effects of acid rain and how do we reduce it. Use Writing Rubric SII.
5. Teacher generated activity, approved by the site administrator.

**III. Evaluation**

- See your teacher for a unit test.
- All Writing assignments must meet the proficient level of the rubric provided by the teacher.
- All textbook work must meet 70% accuracy level for a “C” grade.