



EARTH SCIENCE IIB  
Course Outline: 3302

**I. Textbook Assignment Options:**

A. *AGS Earth Science*, Part II (5.0 credits )

- Read: Chapters 7-14.
- Complete: all “Self-check” or “Lesson Review” questions.
- Complete: all “Chapter Review” exercises.
- Complete one of the Extension Activities listed below.

B. *Concepts and Challenges in Earth Science*, Part II (5.0 credits )

- Read: Units 10 – 18.
- Complete: all “Lesson Summary” activities.
- Complete: Unit “Challenges” activities (**Omit:** “Reading Critically, “Critical Thinking” and “Finding Out More.”
- Complete one of the Extension Activities listed below.

**II. Extension Activity Options:** (All writing assignments should meet Writing Rubric S-II standards)

1. Use the term “volcanoes USGS” (United States Geologic Survey) to conduct your research and review some of the USGS’s websites on active volcanoes. Find a topic of interest about an active volcano and write a 3-paragraph essay based upon your research.
2. Prepare a 5-slide PowerPoint presentation on one of the following topics:
  - The water cycle
  - Erosion
  - Fossils
  - Clouds
3. Using the weather page from the Bakersfield Californian Newspaper, date and record the following information for a 5-day period: barometric pressure, humidity, temperature, and weather patterns (cloudy, sunny, rainy, etc.) Based upon your recordings, on one piece of paper, create a line graph for the barometric pressure and one for the humidity for each of the 5 days. Your graphs should be labeled to describe what each line graph represents, and the dates of each reading. After both line graphs have been completed, examine each day’s recordings. Compare the trends in barometric pressure and humidity with the temperature and weather patterns over the 5-day period. How did a rise or fall affect the temperature and weather? Write a 1-paragraph summary of your findings.
4. *AGS Textbook* users only: Complete two of the ‘Investigation’ activities from Chapters 7- 14.
5. Teacher generated activity, approved by the site administrator.

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### **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.