



EarthComm[®]

Project-Based Earth and Space System Science

A full-year Earth and space-science curriculum developed by the American Geosciences Institute (AGI) that embraces the three-dimensional learning of the Next Generation Science Standards (NGSS).

Three-Dimensional, Project-Based Learning

- *EarthComm* seamlessly integrates science and engineering practices, crosscutting concepts, and core ideas throughout the curriculum and fully supports NGSS.
- Each *EarthComm* chapter begins with a scenario and challenge that is interesting and meaningful to students and motivates them to learn and remember the science content.
- *EarthComm* promotes system thinking as students learn about the interactions among the various parts of the Earth system and reflect on the ways in which matter and energy flow through the Earth system and the ways in which Earth's processes occur over time and space.



Students Learn Like Scientists and Engineers

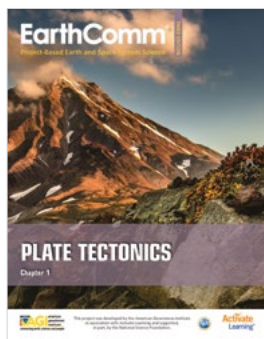
- Students develop important 21st century skills as they work collaboratively in groups to address the Chapter Challenge and engage in science discourse.
- In *EarthComm*, students use the same iterative Engineering Design Cycle used by many geoscientists and engineers.
- *EarthComm* utilizes local and regional issues to foster a sense of Earth stewardship.
- Using the Learning Through Technology feature in the Student Edition, students access real-time data using reputable, current sources.



Total Support for Teachers

- Comprehensive Teacher's Edition provides full support including pacing guides, teaching tips, differentiated instruction with augmentations, accommodations, and suggestions for the English Language Learner.
- Student Hands-On Video Series features section-by-section videos of activities that teachers can provide to students who may have missed a lab or wish to review the procedure or results of a lab.
- *EarthComm* features a robust website filled with student and teacher resources regularly updated by AGI.





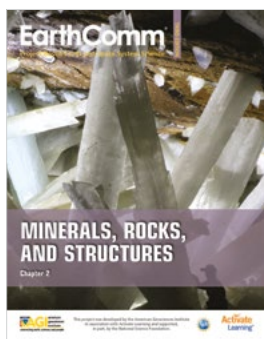
Chapter 1: Plate Tectonics

Chapter Challenge:
Students develop a script for a public service documentary film about volcanoes and earthquakes.



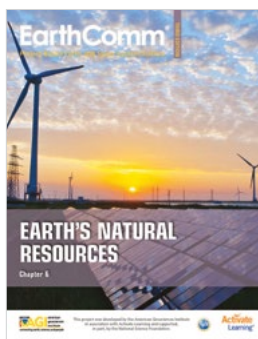
Chapter 5: Global Climate Change

Chapter Challenge:
Students write a series of articles about global climate change.



Chapter 2: Minerals, Rocks and Structures

Chapter Challenge:
Students design a new exhibit on the geology of their community for the local museum.



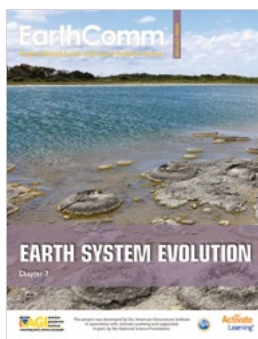
Chapter 6: Earth's Natural Resources

Chapter Challenge:
Students produce a report about the impact of an increase in the population of the community on the consumption and supply of natural resources.



Chapter 3: Surface Processes

Chapter Challenge:
Students report to the U.S. Olympic Committee on the suitability of a city in Florida and a city in Alaska to host the Summer Olympic Games.



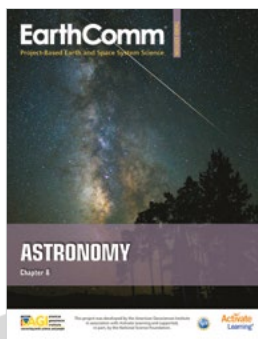
Chapter 7: Earth System Evolution

Chapter Challenge:
Students apply systems thinking to other planets and moons by creating an illustrated script for a documentary.



Chapter 4: Winds, Oceans, Weather and Climate

Chapter Challenge:
Students create a website for a non-profit educational group on winds, oceans, weather, and climate.



Chapter 8: Astronomy

Chapter Challenge:
Students write a script for a radio series on the possible effects that objects in space can have on Earth.

Activate Learning[®]

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