

## **EarthComm Goals and Expectations for Students**

---

- Develop knowledge and understanding of practical and essential Earth science concepts and the principles Earth science shares with other disciplines.
- Understand basic principles of Earth system science and think from an Earth system science perspective.
- Develop an understanding of scientific inquiry and abilities needed to conduct scientific inquiry.
- Develop technology-oriented abilities for human enterprises in Earth and space.
- Understand the nature, origin, and distribution of Earth's energy, mineral, and water resources; technologies used to locate, extract, and process these resources; and dependency on these resources to satisfy our wants, needs, and expectations.
- Understand how terrestrial and extraterrestrial processes affect Earth's materials, environments, and organisms, how scientists study these processes on Earth and from space, and how some processes benefit humans while others pose risks.
- Understand how human activities influence Earth's spheres, processes, resources, and environments; factors that affect the size and distribution of human population and Earth's capacity to support life.
- Become aware of career opportunities in the Earth and space sciences, how professions and businesses benefit from technologies used by Earth and space scientists, and how these combined professions and businesses are related to regional economies.

