



October 2026

Week 2

Astrogeology: Exploration on Earth, other Planets, Moons, Asteroids, Comets and Meteorites

Day 1

- What Is Astrogeology? The Story of Eugene Shoemaker and the Scientists Who Explore Other Worlds
- Welcome to Earth: size, shape, spin and age
- How Henry Cavendish, Isaac Newton, Edmond Halley and Charles Lyell helped answer some important questions.
- How do scientists know what is inside the Earth?
- **Inge Lehman**: the geologist who discovered Earth's deepest secret

Day 2

- Rocks and Minerals: The Hidden Stories of Earth and Other Worlds
- Exploration of Crystals
- Alien Crystals: Exploring the Minerals of Other Worlds
- Who wants to be a volcanologists?
- The science behind earthquakes
- Plate Tectonics and Richter Scale

Day 3

- Moon Rocks and Lunar Mysteries: The Story of Our Closest World
- Back to the Moon: The Science and Engineering Behind Artemis Mission
- Our Solar family of rocky planets: Mercury, Venus, Mars
- Mission Mars: Can We Build a Home on the Red Planet?

Day 4

- Moons, Comets, Meteorites and other rocks in the space

- Rosetta: Landing on a Comet/The Ultimate Space Engineering Challenge
- The hidden world beneath the Antarctic Ice Sheet
- Exoplanets and how we look for them
- The Search for Alien Life: Are We Alone?

Day 5

- Soil and the Microorganisms: the Hidden World Beneath Our Feet
- How Rain, Wind and Water Shape Our Planet
- Journey to the Deep: Discovering the Hidden Mountains and Valleys of the Ocean Floor
- The Future of Humanity in Space