

Further Exploration

Online Discovery

Explore why we are going to the Moon, what we hope to gain, and how we plan to get there on NASA's [Exploration Pages](#). Video clips, images, and articles highlight upcoming missions, lunar vehicles, and the planning that is underway.

The [Exploration Systems Mission Directorate](#) develops capabilities and technology to make human and robotic exploration of our solar system possible — and safe. Find out the latest in exploration engineering!

NASA's [Lunar Precursor Robotic Program](#) oversees robotic missions to the Moon that provide more information about the lunar environment including the Lunar Reconnaissance Orbiter (LRO) and Lunar Crater Observation and Sensing Satellite (LCROSS).

Space artist [Pat Rawlings' illustrations](#) share a vision of what it will be like to live and work on the Moon — and other places in our solar system.

About this Poster

This is one of a [three-poster set](#) that examines how our geologic understanding of the Moon will be used as we plan to live and work there in the future. The **poster front**, designed for **sixth- to ninth-grade students**, presents the resources available for future lunar outposts. Much of our understanding of these resources is based on data from orbiting spectrometers and other instruments, and validated by Apollo samples. The **poster back** is designed to provide **educators** with background information, ideas for lessons, and resources to support further student exploration.

Content Development: Stephanie Shipp, Lunar and Planetary Institute; *Scientific Oversight:* David Kring, Allan Treiman, and Walter Kiefer, Lunar and Planetary Institute; *Graphic Design:* Leanne Woolley, Lunar and Planetary Institute.

Concept Development and Content Review: Cassandra Runyon, E/PO Lead, Moon Mineralogy Mapper, College of Charleston; Stephanie Shipp, Lunar and Planetary Institute; Jaclyn Allen, Astromaterials Research and Exploration Science, NASA Johnson Space Center; Marilyn Lindstrom, NASA Headquarters.

Content Review: Dr. Carlton Allen, Astromaterials Curator, Astromaterials Research and Exploration Science, NASA Johnson Space Center; Mr. Brian Day, E/PO Lead, Lunar Crater Observation and Sensing Satellite, NASA Ames Research Center; Dr. Clive Neal, Chair, Lunar Exploration Analysis Group, University of Notre Dame; Dr. Carlé Pieters, Principal Investigator, Moon Mineralogy Mapper Instrument, Brown University; Dr. Paul Spudis, Principal Investigator, Miniature Synthetic Aperture Radar (Mini-SAR), Lunar and Planetary Institute; Ms. Stephanie Stockman, E/PO Lead, Lunar Reconnaissance Orbiter Mission, NASA Goddard Space Flight Center.

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Image Credit: NASA and Lunar and Planetary Institute. Paintings courtesy of Pat Rawlings. Titanium images courtesy of In-Situ Fabrication and Repair (ISFR) Group, NASA Marshall Space Flight Center. Clementine image processing by Dr. Paul Spudis.

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Classroom Resources

[Explore! To the Moon and Beyond with the Lunar Reconnaissance Orbiter](#) — A suite of hands-on activities that share the LRO mission, explore how our Moon formed and changed through time, and investigate possible sites for a future lunar outpost.

[Field Trip to the Moon Educator Guide](#) Students continue their lunar exploration with classroom activities that investigate the moon's habitability and sustainable resources. These activities culminate with plans for the design and creation of a lunar station.

[Exploration: Then and Now - Survival!](#) — This NASA module focuses on the settlement of Jamestown, the first permanent English-speaking colony in the New World, and NASA's plans to return to the moon and reach for Mars.

