



Lunar Quest Pre-Mission Resources

This document is intended to provide foundational content for students as they prepare for their visit to Challenger Learning Center. The following resources are categorized by activity type.

Classroom Activities:

- [Build a Satellite \(Classroom activity\)](#)
- [Water Filtration Challenger \(Classroom Activity\)](#)
- [Lava Layering- Found on Pages 11-12 \(Classroom Activity\)](#)
- [Bag of Bones: The Body in Space \(Lesson/Classroom Activity\)](#)
- [Planetary Poetry \(Lesson / Classroom Activity\)](#)

Lesson Plans:

- [Modeling the Earth-Moon System \(Lesson\)](#)
- [Exploring the Lunar Surface \(Lesson\)](#)
- [Mapping the Moon \(Lesson\)](#)
- [Art and the Cosmic Connection \(Lesson\)](#)
- [Planetary Poetry \(Lesson / Classroom Activity\)](#)
- [Imagine You're an Astronaut \(Lesson\)](#)

Programming Activities:

- [Code a Moon Rover Video Game \(Scratch Programming Activity\)](#)
- [Crew Orbital Docking Simulation \(Scratch Programming Activity\)](#)

Videos:

- [Space Radiation \(Video\)](#)
- [Tour of the Moon Surface \(Video\)](#)
- [Lava Tubes Beneath the Surface of the Moon \(Video\)](#)
- [Driving a Lunar Spacecraft \(Video\)](#)
- [The Lunar Electric Rover \(Video\)](#)