



## 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 Challenge \(Classroom Activity\)](#)
- [Lava Layering - \(Classroom Activity\)](#)
- [Bag of Bones: The Body in Space \(Lesson/Classroom Activity\)](#)
- [Planetary Poetry \(Lesson / Classroom Activity\)](#)

### Lesson Plans:

- [Modeling the Earth-Moon System \(Lesson\)](#)
- [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:

- [Exploring the Lunar Surface \(Video Series\)](#)
- [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 \(Video\)](#)