



# EXPLORING THE SOLAR SYSTEM

## DESCRIPTION

All students will participate in a kinetic activity in the lab that will examine the orbital paths of the inner planets. Students will learn the order of the planets, explain why planets and constellations appear to move backwards at times, and identify the phases of the moon as well as model its synchronous rotation. Program will run for 90 minutes.

REVISED 07.22.22

## HOMESCHOOL

### 30 MINUTES – PLANETARIUM SHOW

- To Worlds Beyond

### 30 MINUTES - LAB

- Demonstrate the movement of the Earth and Moon around the Sun
- Discuss Moon phases, order of planets and size of the solar system
- Interactive activity to model inner solar system

### 30 MINUTES - GALLERY TIME

- Cover space travel to date and beyond
- Human space travel from Mercury program to future space programs

## TAKE HOME ITEMS

- Moon phase bookmark
- Pocket Solar System instructions

## GEORGIA STANDARDS OF EXCELLENCE

S4E1d and S4E2abc, S6E1c and S6E2abc



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