

Science On a Sphere – Educator Resource Guide

Show Title: *Solar System*

Recommended Grade Range: 6th

Presentation Time: 20 minutes



	SEEd Standards Focus Alignment
Standard 6.1.2	Role of gravity and inertia in orbital motions.
Standard 6.1.3	Scale and properties of objects in the Solar System.

Summary:

“Solar System” is designed to supplement 6th grade standards on the sections regarding structure and motion within the Solar System. Students will explore objects in the Solar System and use comparisons found on Earth to help analyze and determine the processes responsible for observed phenomena.

Data visualizations explored in this topic:

- [Solar System to Scale: Sun and Planets](#)
- [Mercury](#)
- [Venus](#)
- [Earth](#)
- [Mars](#)
- [Jupiter](#)
- [Io: Jupiter's Moon](#)
- [Saturn](#)
- [Titan: Saturn's Moon \(colorized\)](#)
- [Uranus](#)
- [Neptune](#)
- [Pluto](#)
- [Planet Rotations](#)

Science language used or introduced	Model, orbit, sphere, moon, appearance, planets, star, distance, scale, sun
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