SOL: A Solar System Journey

PROGRAM DESCRIPTION

Take time out of your day to learn about how a day actually happens, not to mention the years, seasons, tides, phases of the moon, and lunar and solar eclipses. While you're at it, take a peek into the movements, operations, facts, and phenomena of the planetary bodies in the cozy community orbiting our sun, SOL.

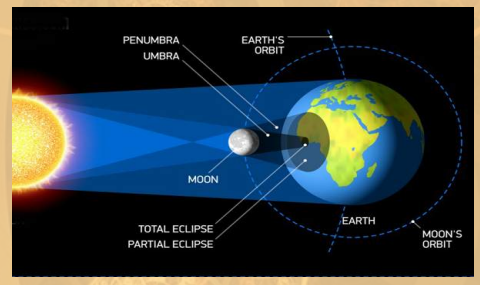
Visit STEMpunkED.com/Programs for more details

LOGISTICS, FEE & DELIVERY REQUIREMENTS

Duration: 3.0 hour interactive program | **Age Range**: 7/8-Adult | **Participants**: 10-30
Cost: See Website | **Requirements**: Video Projector with HDMI port and speakers ; 1 large table for presenter's items ; 6 medium tables with chairs for hands-on stations (2 stations with electricity) ; 1.0 hour setup and breakdown times ; additional travel charges may apply.

CORE TOPICS & GOALS

- Model how seasons, eclipses, tides, and lunar phases result from relative positions and motions of the Earth, Moon, and Sun
- Identify the planetary bodies and various objects that orbit our Sun and describe how they are classified based on their characteristics
- Explain how characteristics of the various bodies in our solar system provide clues to Earth's origin and evolution



CORE TOPICS & GOALS

- Explore mass and gravity to explain why objects such as satellites, moons, and planets stay in orbit
- Interpret how Earth's place in space is relevant to our understanding of the processes that have shaped our planet
- Analyze illustrations and models then record data on 'Passports' designed to serve as future references for explaining seasons, eclipses, tides, and lunar phases

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