



STARS AND STORIES

Pre-K & Kindergarten | 30 Minutes

Teacher's Guide

Description

In this planetarium field trip students will learn about the sun, moon and night time stars and participate in constellation stories.

Adult chaperones recommended: 1

Content Standards

| Subject | Gr | Standard | Objective/"I can" Statements |
|-------------------|-------|---|--|
| Earth/Space | Pre-K | With modeling and support, recognize familiar elements of the natural environment and understand that these may change over time (e.g., soil, weather, sun and moon). | I can recognize parts of the solar system and predict how they change in a day. |
| Earth/Space | K | The moon, sun and stars can be observed at different times of the day or night. | I can observe the moon, sun and stars at different times of the day and night. |
| Language/Literacy | Pre-K | <ul style="list-style-type: none">• Demonstrate an understanding of the differences between fantasy and reality.• With modeling and support, describe what part of the story the illustration depicts.• With modeling and support, determine the meanings of unknown words/concepts using the context of conversations, pictures that accompany text or concrete objects. | Students explore the difference between fantasy and reality through the telling of constellation stories using the planetarium dome. |

Pre-Trip Activities

Vocabulary

| | |
|-------|-------|
| phase | stars |
| moon | sun |

Books

- Let's Go, Pegasus! By Jean Marzollo. Little Brown & Company, 2006.
- Once Upon a Starry Night by Mitton & Balit. National Geographic, 2003.
- The Story of Orion by Thomas Troupe. Picture Window Books, 2013.

Other Activities

- Read a story that reinforces the movement of the sun and moon in a day.
- Make observations about the placement of the sun at the start of school and at the end of school.

Post-Trip Activities at School

Have students make sticker diagrams of the constellations they learned about. Recall elements from the stories in a discussion.

Extension Activities

- As a class, design and make a sun garden. The garden may contain rocks or other objects that reflect or react to sunlight, such as sundials, solar powered lights or chimes that require sunlight for movement.
- Have students draw a friend's shadow in sidewalk chalk on the ground at two different times of day and discuss how the shadow changes with the change of position of the sun.