



# 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"><li>• Demonstrate an understanding of the differences between fantasy and reality.</li><li>• With modeling and support, describe what part of the story the illustration depicts.</li><li>• With modeling and support, determine the meanings of unknown words/concepts using the context of conversations, pictures that accompany text or concrete objects.</li></ul>	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.