**Stars and Stories**

**Pre-K & Kindergarten**

**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.

**Length:** 30 minutes. **Adult chaperones recommended:** 1

**Content Standards**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Gr</th>
<th>Standard</th>
<th>Objective/“I can” Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earth/Space</td>
<td>Pre-K</td>
<td>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).</td>
<td>I can recognize parts of the solar system and predict how they change in a day.</td>
</tr>
<tr>
<td>Earth/Space</td>
<td>K</td>
<td>The moon, sun and stars can be observed at different times of the day or night.</td>
<td>I can observe the moon, sun and stars at different times of the day and night.</td>
</tr>
</tbody>
</table>
| Language/Literacy | Pre-K | • 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

Books


Vocabulary

phase  sun
moon   stars

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.

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.