

# Science Kindergarten



## Day & Night

### Science Kindergarten Curriculum

#### Power Objectives

**P.O. #2: Explain that the moon, sun and stars are visible at different times of the day or night. (P.O. #2 Proficiency Rubric)**

**P.O. #7: Proficiently apply the scientific inquiry processes. (P.O. #7 Proficiency Rubric)**

#### Academic Vocabulary

<input type="checkbox"/> sun	<input type="checkbox"/> shadow	<input type="checkbox"/> evening
<input type="checkbox"/> moon	<input type="checkbox"/> sky	<input type="checkbox"/> morning
<input type="checkbox"/> stars	<input type="checkbox"/> day	<input type="checkbox"/> positions
<input type="checkbox"/> visible	<input type="checkbox"/> night	

#### Enduring Understandings

*Students understand that...*

- Sometimes the moon is visible during the night, sometimes the moon is visible during the day and at other times, and the moon is not visible at all.
- The observable shape of the moon changes in size very slowly throughout each day of every month.
- The sun is visible only during the day.
- The sun's position in the sky changes in a single day and from season to season.
- Stars are visible at night, some are visible in the evening or morning and some are brighter than others.
- The sun, moon and stars all appear to move slowly across the sky.

#### Essential Questions

- What changes can we see in the moon, sun, stars at \_\_\_ time of the day?
- Can you name the objects in the daytime sky?
- Can you name the objects in the nighttime sky?
- What are the differences and similarities in day and night sky?
- What happens to the sky in a 24 hour cycle?