



## Level 1 • Module 2

# Light with Spotlight Lessons on Weather

## Lesson Overview

Your student is learning how light interacts with parts of a wayang puppet show to understand how light interacts with objects and how it affects what people see. In Spotlight Lessons on Weather, your student is describing weather and observing its effects.

Classroom activities for this module include:

- Observing models to explore when objects are visible
- Investigating how light interacts with different objects to form and change shadows
- Investigating different materials to see how light interacts with them
- Using data to describe patterns and predict nighttime temperatures

### Conversation Starters

Support your student's learning with these talking points:

- Point out different light sources inside and outside of the home, including lamps, natural light, and even small lights on appliances.
- Look for shadows around the home, and talk about the objects, surfaces, and light sources that interact to form the shadows.
- Notice and discuss how light travels through different materials. For example, compare how light travels through different curtains or different fabrics.
- On a walk or a drive, talk about the parts of weather you observe.

### Activities

Have fun with these related activities at home:

- Safely explore with a flashlight or other light source to create different shadows.
- Play with light and dark by turning off various lights at different times of day and record observations of what can be seen.
- Go for a walk or drive with your student at different times of day or evening to observe shadows. If it is dark outside, notice light sources too.
- Put on a shadow puppet show using your hands or other materials.
- Observe the night sky and locate the Moon or stars, and notice the changing positions of the Moon and stars over time.



### ADDITIONAL RESOURCES

Visit your local library or use an online library to explore topics related to the module, such as wayang shadow puppetry, Rjukan (a town in Norway shaded by mountains), shadows, lighthouses, the Sun, and seasons.