

## Determining the Light Conditions in your Schoolyard

Plants require either full sun, partial shade, or full shade. Have your students determine the amount of sunlight in different areas of your Schoolyard, and add this information to your Schoolyard Map.

- **Full sun:** areas that receive at least 6 hours of direct sunlight a day.
- **Partial shade:** areas that receive 3-6 hours of direct sunlight a day.
- **Shade:** areas that receive less than 3 hours of direct sunlight a day, or filtered sunlight.

On your map, draw the pathway of the sun across the Schoolyard landscape, and note the different areas of sun exposure (full sun, partial shade, shade).

### RESOURCES FOR LESSONS ABOUT TRACKING AND MAPPING LIGHT AND SHADOWS

- [PBS Shadow Season](#) (AG)
- [PBS Learning Media: Sun and Moon Patterns in the Sky](#) (LE)
- [Positions of the Sun](#) (LE)
- [Tracking the Sun: Observing the Path of the Sun Throughout the Year](#) (UE)
- [The Sun Moves in the Sky](#) (UE)
- [Observe patterns by Tracking the Sun Across the Sky with Your Students](#) (MS)
- [NASA: Sunrise, Sunset, Apparent Motion of the Sun](#) (UE-HS)