

What Makes Up the Solar System?

Before you begin have children share with you what they know about objects they have observed in the sky. Ask: *What are some ways to know that the Sun is in the day sky?*

What you need:

- two thermometers per pair of students

What to do:

- Put one thermometer in sunny place getting direct sunlight. Put the other thermometer in a shaded place out of direct sunlight.
- PREDICT: Immediately record the temperature shown on each thermometer. Predict how you think the temperature will change.
- RECORD DATA: Wait at least 15 minutes. Record the temperature again. See table on next page for data recording.

Think and write:

- How did what you observed compare to what you predicted?
- INFER: How did the temperatures change? Why?

Guided Inquiry:

- EXPERIMENT: Do the activity a few more times. Compare your findings. Were they the same each time? Tell why or why not.

✓ **0206.1.6** Read thermometers with Fahrenheit and Celsius scales. (math)

GLE 0207.10.1 Explain why the sun is the primary source of the earth's energy. (science)

	First Time	Second Time
Sun	_____°F	_____°F
Shade	_____°F	_____°F

	First Time	Second Time
Sun	_____°F	_____°F
Shade	_____°F	_____°F

	First Time	Second Time
Sun	_____°F	_____°F
Shade	_____°F	_____°F

