

Kindergarten 2020 Unit #4: Science - Sun Warms Earth

Content Area: **Science**
Course(s): **Science 1, Generic Course**
Time Period: **Marking Period 3**
Length: **24 Days**
Status: **Published**

Established Goals/Standards

Please choose the appropriate Goals/Standards from the Standards tab above.

K-PS3	Energy
K-PS3-1	Make observations to determine the effect of sunlight on Earth's surface.
K-PS3-2	Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area.
K-PS3-1.2	Cause and effect: Mechanism and explanation.
K-PS3-1.2.1	students learn that events have causes that generate observable patterns. They design simple tests to gather evidence to support or refute their own ideas about causes.
K-PS3-1.3	Planning and Carrying Out Investigations
K-PS3-1.3.1	Make observations (firsthand or from media) to collect data that can be used to make comparisons.
K-PS3-2.PS3.B	Conservation of Energy and Energy Transfer
K-PS3-1.PS3.B	Conservation of Energy and Energy Transfer
K-PS3-1.PS3.B.1	Sunlight warms Earth's surface.
K-PS3-2.PS3.B.1	Sunlight warms Earth's surface.

Essential Questions

Please add your Essential Questions by clicking on the Lists tab above.

- How can I protect myself from the sun?
- How does the sun warm Earth?
- What is heat?
- What is light?
- What is shade?

Enduring Understanding

Please add your Enduring Understandings by clicking on the Lists tab above.

- Heat makes things warmer
- I can protect myself from the sun by using an umbrella, staying in the shade, and using sunscreen.

- Light is what lets us see things.
- Shade is coolness caused by shelter from the sun's heat
- The sun heats up the land and water.

Content

SWBAT make observations to construct an evidence-based account of the effect of sunlight on Earth's surface.

SWBAT make observations to collect data that can be used to make comparisons.

SWBAT use tools and materials provided to design and build a device that protects people from the sun.

SWBAT describe the causes that makes observable patterns associated with the effect of sunlight on Earth's surface.

Assessment

Lesson Check

Self Check

Unit 4 Assessment

Resources

HMHCO Online Component

HMHCO Student Workbook

Non-Fiction Leveled Readers (What Can We Learn About Matter? Patterns in the Sky)

United Streaming

Brain Pop

Experiments/Observations/Journals

Mystery Science

Let's Find Out Scholastic Magazine

Science Spin - Let's Find Out Scholastic Magazine

