Science Learning Packet
Grade K Reader
Sunlight and Weather: Getting Warm in the Sunlight

Suggested science learning activities for SPS students during the COVID-19 school closure.

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Due to the COVID-19 closure, teachers were asked to provide packets of home activities. This is not intended to take the place of regular classroom instruction but will help supplement student learning and provide opportunities for student learning while they are absent from school. Assignments are not required or graded. Because of the unprecedented nature of this health crisis and the District’s swift closure, some home activities may not be accessible.

If you have difficulty accessing the material or have any questions, please contact your student’s teacher.
Getting Warm in the Sunlight

by Chloë Delafield
illustrated by Peter Johnston
PUPILS to whom this textbook is issued must not write on any page or mark any part of it in any way, consumable textbooks excepted.

1. Teachers should see that the pupil’s name is clearly written in ink in the spaces above in every book issued.
2. The following terms should be used in recording the condition of the book: New; Good; Fair; Poor; Bad.
The sun is just coming up. Morning in the desert is very cold.
It is too cold for the lizard to come out. The lizard needs to be warm before it can run and hunt. The lizard stays in its warm, cozy hole.
The sun comes all the way up. The **sunlight** shines on the rocks and the sand. The rocks and sand start to heat up. Even so, they are still too cool for the lizard to come out.
Now it is late morning. The sun has been up for a few hours. All that time, the sunlight has been shining on the rocks and the sand. The rocks and sand are getting warmer.
The lizard can come out now. It walks across the pale sand. The sand is warm. The lizard finds a dark rock. The rock is hot. The dark rock is warmer than the pale sand, even though both surfaces have been heated by the same sunlight all morning.
The lizard sits on a rock and gets warm in the sunlight. Soon the lizard is warm enough to run and hunt!
The lizard hunts for bees that are also out in the warm part of the day. They come out and fly around in the sunlight. The lizard catches lots of bees.
The day goes on. Now it is the afternoon, and the sun has been up for many hours. The sunlight has been shining on the rocks and the sand for a long time. The surfaces are even warmer than before.
The dark rocks are getting too hot for the lizard. It runs to the pale sand, which is cooler than the dark rocks. Soon the pale sand also gets too hot. The lizard finds some shade to escape the sunlight.
Later, the sun starts to set. The sun goes behind the mountains. The sunlight is not heating the rocks and the sand anymore. The rocks and sand start to get cooler.
The lizard runs back to its hole. It needs to get inside before the rocks and the sand are too cold.
It is evening, and the sunlight has been gone for a while. Now it is cold out. A fox comes out of its hole. The fox does not need the sunlight to keep warm. It can keep itself warm!
Glossary

dark (color): closer to black than white

desert: a dry place that gets very little rain

pale (color): closer to white than black

shade: a place where sunlight is blocked by something

sunlight: light from the sun

surface: the outside part of something
**Books for Sunlight and Weather:**

What Is the Weather Like Today?
Getting Warm in the Sunlight
Cool People in Hot Places
Tornado! Predicting Severe Weather
Handbook of Models

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What happens as sunlight heats up the desert?

In the morning, it’s too cold for the lizard to come out. When the sun has been out for a while, the lizard gets warm enough to run and hunt. Then it gets too hot! The lizard has to find shade. When the sun sets, it gets cool again and the lizard goes back into its hole.