

EXPLORING EARTH

Temperature Mapping

Which materials stay hotter longer?





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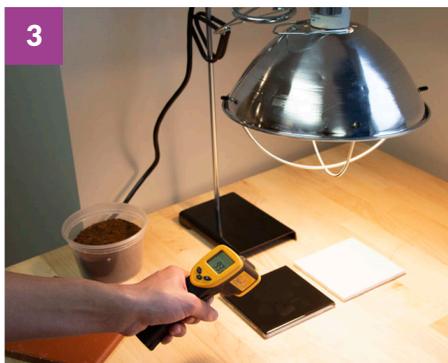
Try this!



Place your hand on the thermal sheet for about five seconds. Lift your hand away. What happens? What do you think the different colors represent or mean?



Use the infrared (IR) thermometer to measure the temperatures of your handprint and of the surrounding area on the sheet. What do you notice? Now what do you think the colors represent?



Use the thermometer to measure the temperatures of the black and white tiles sitting under the lamp. How do they compare? Next, try comparing the temperatures of the paver and the soil. What do you notice?

Tip: Before you use the tool, try predicting which surface will have a higher temperature.