SCIENCE · LIGHT AND SHADOWS · GRADES 2–4

Track a Shadow

Measure the shadow of one object four times in a day, draw it at noon and at three, and explain the change.



Name: _____ **Date:** _____

Set it up: on a sunny morning, stand a stick or a toy on the sidewalk and mark where it sits. Every two hours, trace its shadow with chalk and measure it.

Time	Shadow length (cm)	Which way does it point?	Long or short?
9:00			
11:00			
1:00			
3:00			

Draw the object and its shadow at noon.

Draw the object and its shadow at 3:00.

When was the shadow longest? Why do you think it changed?

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