

Date: \_\_\_\_\_

Name: \_\_\_\_\_

## Shadow Measuring Activity

This activity was created by Amaris.

The shadows you see outside are caused by objects blocking the light from the sun. The sun reflects off these objects making a dark figure in the shape of the object on the ground.

Follow the instructions or “code” below to learn more about the sun and shadows. You can ask a parent to help you out with this activity!

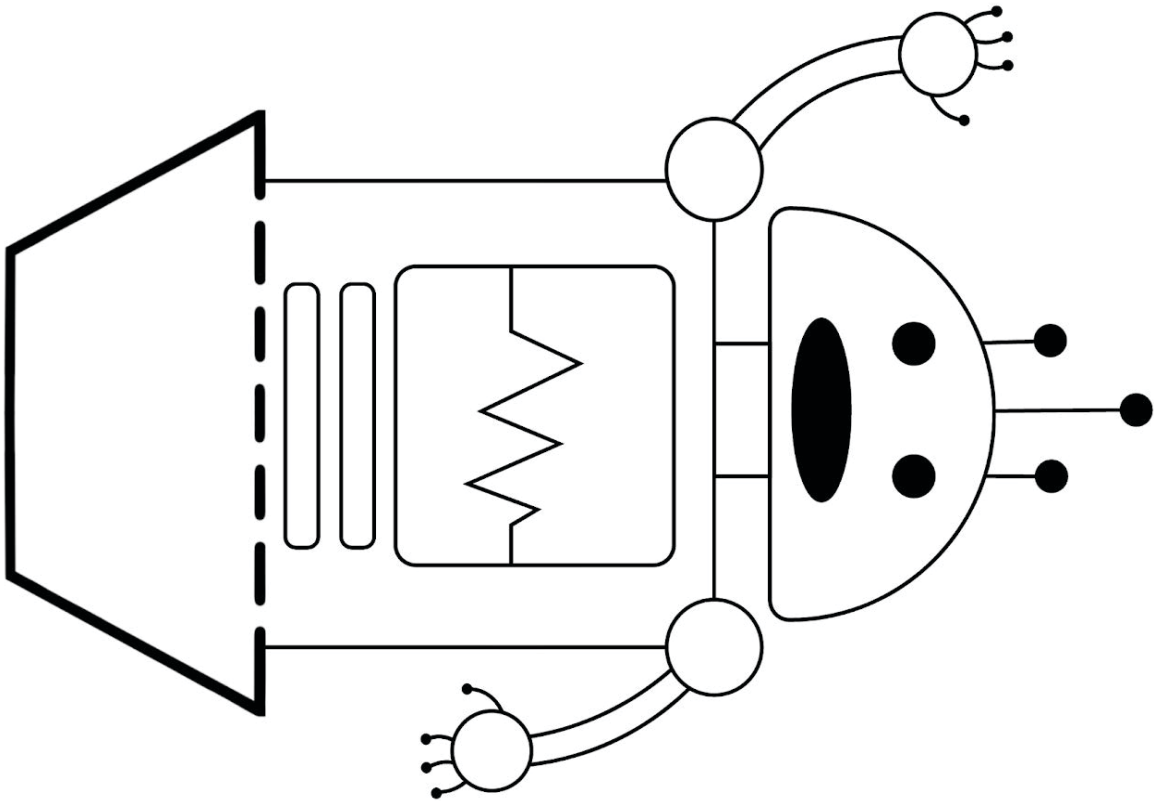
1. Colour the picture of Esiw on the next page then cut it out along the solid lines.
2. Fold along the dotted lines to make a stand for Esiw.
3. Put Esiw outside in a dry, sunny area. (You may need to put a couple rocks on the stand to keep him from falling over.)
4. Finally, using a ruler, measure the length of Esiw’s shadow.

After a while, come back and measure Esiw’s shadow again and observe how it may have changed! Is it longer? Shorter? Is it going in a different direction? You can use the table below to keep track!

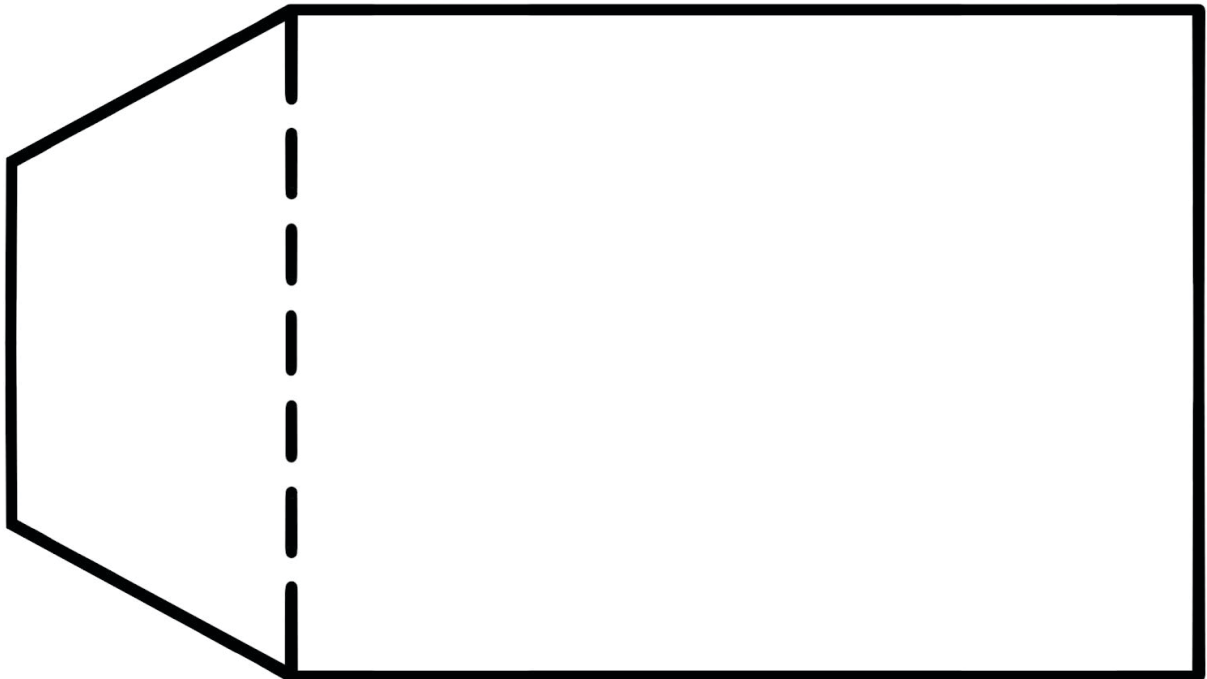
Time	Length of Shadow (cm)	Direction Change?
		Yes / No
		Yes / No
		Yes / No
		Yes / No

Date: \_\_\_\_\_

Name: \_\_\_\_\_



**Now it's your turn! Draw whatever you want in the box below and cut it out. Remember to fold along the dotted lines to make a stand!**



This page is intentionally left blank, because the previous page is meant to be cut up.