

# Science Light: Shadow Puppets

You will need:

- Paper/Card to cut out and make into a puppet shape
- Stick (such as a lollypop stick/straw/twig)
- Sticky tape
- Scissors
- A torch and a piece of white paper for a screen.



**Activity 1** Make a shadow puppet by drawing and cutting out a character of your choice. This could be an animal or a super hero - the choice is yours. Attach your puppet character to a stick.

Hold the torch directly above the piece of paper. Put the puppet in front of the torch. An alternative to this is to use a wall in a darkened room as a screen and then shining the torch towards the wall. Explore by moving the puppet closer to the torch and then further away.

## What I Notice

Complete the sentences:

When I move the puppet closer to the torch, the shadow \_\_\_\_\_

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When I move the puppet further away from the torch, the shadow \_\_\_\_\_

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## Activity 2

With the same puppet held still. Hold the torch directly above the puppet and then move the torch at an angle to the puppet.

## What I Notice

Complete the sentence:

When I move the torch at an angle, the shadow \_\_\_\_\_

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