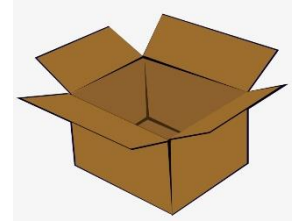




## Science Activity

### Making a Shadow Puppet Play

Time to prepare: 5 minutes



□ Please stay safe and ask a grown up to supervise you

#### Resources/ things you need

- Wall in a dark room - Turn off the lights and shut the curtains so it is as dark as possible.
- Torch
- Card
- Short sticks
- Cellotape
- Scissors and a pencil

#### What to do

Try this experiment to make a shadow puppet play. Can you make shadows that are big or small and sharp or blurred? How did you do it?

1. First, make some puppets by drawing and cutting out card shapes. You could make animals, fairies, aliens or even monsters!
2. Next, stick your puppet to a short stick using cellotape.
3. Then, put the puppets in front of the torch to make a puppet play. Can you make your characters bigger and smaller? How did you do it? What do your characters say to each other? Can you write a play script to go with your puppets?

#### Background and the link to learning

Shadows are made when something blocks light. When your hand is close to the torch it blocks out a large area of the light beam making a large shadow. Having a wide light source like a torch close to your hand makes the edges of the shadow blurred. The further away your hand is from the torch, the less of the light beam your hand stops, so the smaller the shadow. The edges of the shadow are sharper because the light can't get round the edges of your hand.

**Challenge:** Can you make some puppets using your hands?

#### Pictures



[Link to other similar activities](#) - Please see: [Hand Puppets](#).

