

## **Introduction to light activity**

To complete this activity, you will need the following:

- A light source – this could be a torch if you have one or a lamp.
- A mirror
- A piece of paper
- A pair of scissors

You can use any of the items above to complete the following challenges.

After each task, you need to write in your topic book how you completed the challenges. We will discuss this in next week's lesson so you will need to be prepared to share your answers.

### **Task 1**

Create a shadow

### **Task 2**

Can you make the shadow you have created longer or bigger?

### **Task 3**

Can you make your shadow into a different shape?

### **Task 4**

Can you use one of the items in the list above to change the direction of your light?

Sentence starters to use:

- 1) I was able to create a shadow by..
- 2) I was able to make my shadow bigger by..
- 3) I was able to make my shadow a different shape by..
- 4) I was able to change the direction of my light by...

Remember to draw a picture for each sentence.