

Science week 3 - shadows

Watch the BBC bitesize video to find out how shadows are made.

Your task:

Find out what happens to your shadow throughout the day!

At different points in the day, go outside and get an adult to help you by measuring your shadow. Maybe you could measure theirs too, starting from their feet and ending at the head of their shadow.

What happens to your shadow throughout the day? Is it always in the same place? Does it look the same each time or different? If you have a garden or other outdoor space where you can sit and draw your shadow, do this to record how your shadow looks different.

If you can't do this outside, perhaps you could use a lamp or other light source inside. Move your hand away from and towards the lamp. What happens to the shadow of your hand on the wall? Measure your hand's shadow from your wrist to the tips of your fingers at different distances from the lamp.

What else do you notice about the shadow? Is it always the exact same shape as the object that is creating it? Why do you think this could be the case?