

13.7.20

Light and Shadows

Today we are going to look at light and shadows:

Light sources and reflectors

We are surrounded by sources of light from street lights to the Sun. Without light we wouldn't be able to see.

Some things like mirrors or the Moon reflect light. They look bright but have no light of their own.



Things to do

Name the sources of light and the reflectors in this picture. What would you see if it were night time in the picture?

Playing with shadows

Light travels in straight lines. It cannot go around corners. When light hits an object it is blocked and the object casts a shadow.



Try making an animal shadow using your hands.









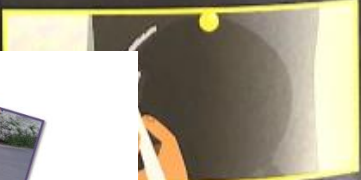

Shadow puppets cast a shadow on a screen. The light is behind the screen. Where would you need to put the puppet?

Here is your task for today:


Make a silhouette gallery

You will need:


			
black paper	strong light source	chalk	scissors

1. Pin a piece of black paper onto a wall. 
2. Place a friend, looking to the side, between the paper and a strong light source. 
3. Draw a shadow of the friend cast on the paper. 
4. Cut out the shape and display it in your gallery. 

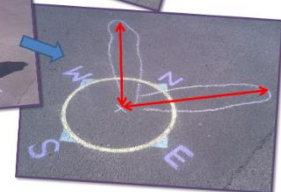
Additional images from the task:



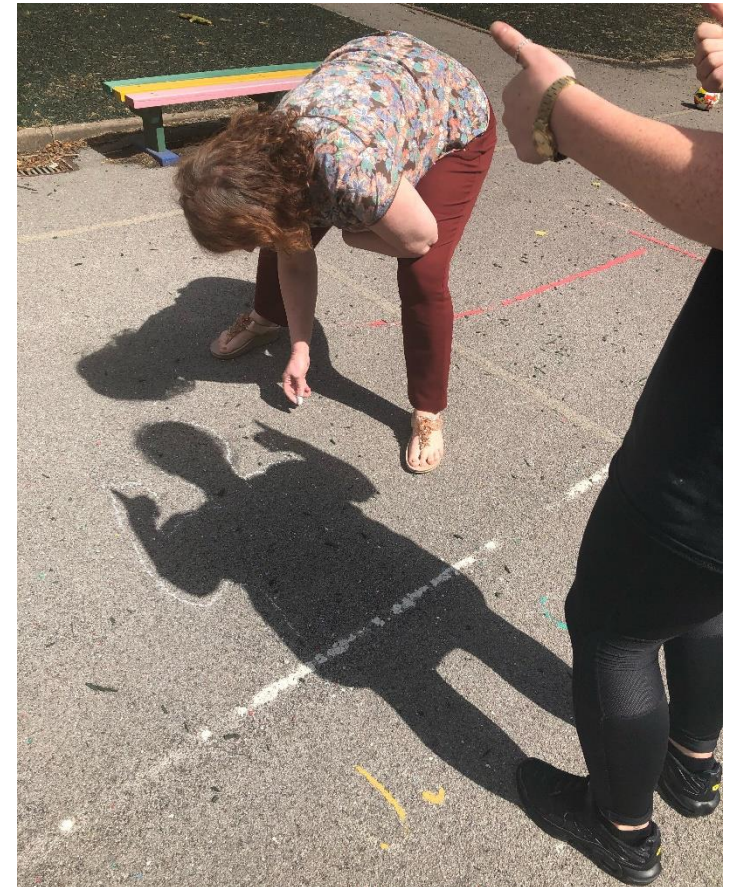
11am



2pm



If it is a lovely day outside, can you draw around your own shadow outside? The sun always rises in the East and sets in the West. If the sun is in the North, your shadow will reflect in the South, if the sun is in the North East, your shadow will reflect in the South West. Can you predict where the sun is, based on your own shadow?



Here is an example of Miss Cross drawing around Miss Allen's shadow, the sun was in the South West, therefore the shadow reflected in the North East.