

Topic Vocabulary

Light - A form of energy that travels in a wave from the source.

Opaque - An object that is opaque does not allow light to pass through it.

Transparent - An object that is transparent lets all of the light pass through it.

Translucent - An object that is translucent allows some light to pass through it.

Shadow - A dark shape made when a person or object blocks the light.

Pupil of the eye - The black part of the eye that lets light in.

Useful Weblinks

<https://www.dkfindout.com/uk/science/light/>

<https://www.bbc.co.uk/bitesize/topics/zbssgk7>

Spring Term Science Learning Grid for Year 3

Light and how we see



Science Facts to learn

We need light to see things and we see using our eyes.

If it is completely dark, we can not see anything at all.

The light from the sun includes all of the visible colours of the spectrum (red, orange, yellow, green, blue, indigo and violet).

The shape of a shadow matches the shape of the object making the shadow.

Home Learning Challenge Ideas

Create something to show us what you have learned about shadows. You could keep a diary of how your shadow changes, draw the different shapes of shadows or wow us with the facts you have learned.

Can you think of your own investigation about light and shadows?

Can you create a poster, factfile or a model to show us what you have found out about eyes? You might want to find out how well different animals see.

We would love to see any of your own topic work that you choose to do at home so you might do something completely different. We are looking forward to sharing it together and displaying it on the Beechwood Website.

