

## Light and Shadows

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You have learnt in Stage 2 about light and darkness.

Look at the picture. Have you noticed shadows on the ground or the wall? **yes**

Have you wondered how they are formed?



Write a few words to describe shadows.

**It is black.**

**It has the same shape as the toy.**

## Thinking cap

Why are windows usually made of glass?



Glass is see-through (transparent)  
which allows us to see outside.

The glass is also waterproof which means  
that rain cannot enter inside.

## Let's Explore!



Can you see through me?

You will need:

- Sheet of baking paper
- Sheet of cling wrap
- Sheet of aluminium foil

1. Work in pairs.
2. Predict which material you will be able to see through.  
Circle the material.

Baking paper

Cling wrap

Aluminium foil

3. Get your partner to place his or her hand behind the baking paper. Can you see the hand through the baking paper?
4. Do the same for the other two materials.
5. In the table below, put a tick (✓) next to the material that you are able to see through.

Material	Can you see through the paper?
Baking paper	yes
Cling wrap	yes
Aluminium foil	no

6. Do the results match your prediction? yes



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**Properties:**

characteristics that are used to describe something

**frosted:**

a property of a material that allows only some light to pass through it

Look at the stickers at the back of the book. Each child is holding a different type of material that allows different amounts of light to pass through it. Paste the correct picture under the correct column in the table below.

Transparent material	Translucent material	Opaque material
		