



Thursday 15th July



Learning Objective:

To investigate which materials block light to form shadows.



Success Criteria:

- Explain how light travels.
- Sort different materials according to whether they are opaque, transparent or translucent.
- Use these materials in an investigation into different shadows.

Making Shadows

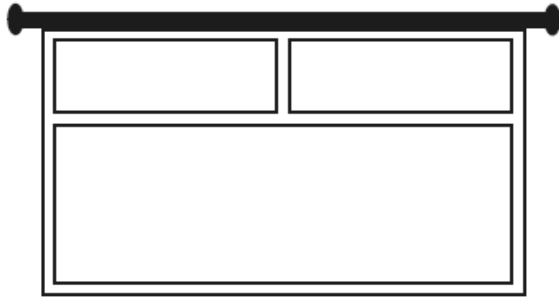
Can you help Isaac choose the best material for the new curtains in his baby sister's bedroom?

What materials are you testing? Draw or list them below.

Shine the torch on each material to see what sort of shadow it makes. Put each material in the correct column below.

<p>Opaque Blocks all light and makes a dark shadow.</p>	<p>Translucent Lets some light through and makes a faint shadow.</p>	<p>Transparent Lets all the light through and does not make a shadow</p>

Which material have you chosen for the new curtains? Draw the curtains on the window and label the material.



Write a message to Isaac to explain why you think he should use this material.

I chose _____ for the new curtains.

When I tested it, this material _____
_____.

The shadow it made was _____
_____.

I think it will be good for the new curtains because _____

_____.