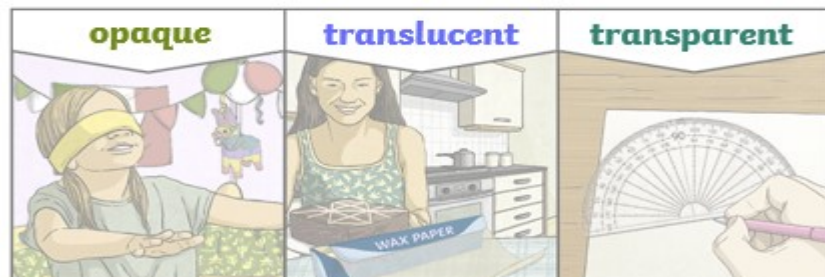


# Knowledge Organiser — Year 3: Light And Dark

<b>Light</b>	A form of energy that travels in a wave from a source.
<b>Light source</b>	An object that makes its own light
<b>Dark</b>	Dark is the absence of light.
<b>Reflection</b>	The process where light hits the surface of an object and bounces back into our eyes.
<b>Ray</b>	Waves of light are called light rays. They can also be called beams.
<b>Opaque</b>	Describes objects that do not let any light pass through them.
<b>Translucent</b>	Describes objects that let some light through, but scatter the light so we can't see through them properly.
<b>Transparent</b>	Describes objects that let <b>light</b> travel through them easily, meaning that you can see through the object.



We need **light** to be able to see things. **Light** travels in a straight line. When **light** hits an object, it is **reflected** (bounces off). If the **reflected light** hits our eyes, we can see the object. Some surfaces and materials **reflect light** well. Other materials do not **reflect light** well. **Reflective** surfaces and materials can be very useful...

Key aims:

- To recognise that we need light in order to see things and that dark is the absence of light .
- To notice that light is reflected from surfaces .
- To recognise that light from the sun can be dangerous and that there are ways to protect our eyes .
- To recognise that shadows are formed when the light from a light source is blocked by a solid object .
- To find patterns in the way that the size of shadows change .

