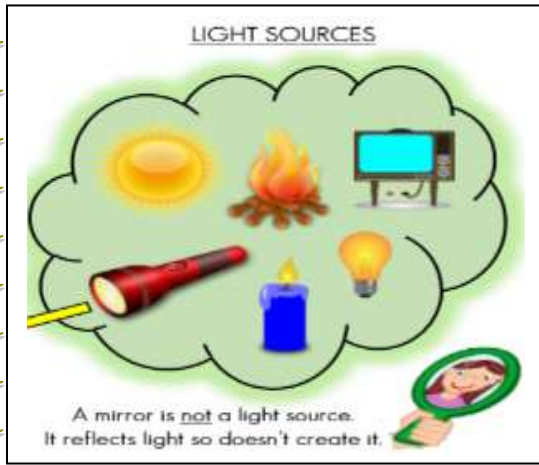




Light and shadows - Year 3 Sticky Knowledge Mat



Sticky Knowledge



Light is a form of energy that makes it possible to see.

Light is given off some objects (for example the Sun). Darkness is when there is no light.

Light can reflect off surfaces (e.g. mirrors). A mirror is not a light source. It reflects light so doesn't create it.

Objects can be labelled as transparent, translucent, or opaque, depending on the amount of light that they let through.

Shadows are formed when light is blocked by an opaque object.

Because light travels in straight lines, when it hits an object, it is blocked. It can't bend around the object so it casts a shadow.

Light travels in straight lines. It travels from the light source either directly into our eyes, or reflecting off objects.

The moon does not emit its own light - it reflects the sun.

Prior Learning- Describe the simple physical properties of a variety of everyday materials. (Y1 - Materials)

Subject Specific Vocabulary

<i>Light source</i>	An object that produces its own light (e.g. sun, fire).
<i>Reflection</i>	When a light hits a surface and 'bounces' off.
<i>Sun</i>	A hot, glowing ball of gas that gives off light. It is dangerous to look directly at the sun.
<i>Opaque</i>	An object which does not allow light to pass through it (e.g. wood).
<i>Translucent</i>	An object which allows some light to pass through it. It may be possible to see some unclear images through the object (e.g. tissue paper).
<i>Transparent</i>	An object which allows light to pass through it so that objects behind it can be easily seen (e.g. glass).
<i>Light</i>	A form of energy that makes it possible to see.
<i>Dark</i>	Darkness is the absence of light.
<i>Shadow</i>	A dark area or shape caused by the blockage of light.