

Recapped Knowledge

**Properties of Materials**



wood:  
hard, stiff,  
strong, opaque,  
can be carved  
into any  
shape.



plastic:  
waterproof,  
strong, can  
be made to be  
flexible or stiff,  
smooth or rough.

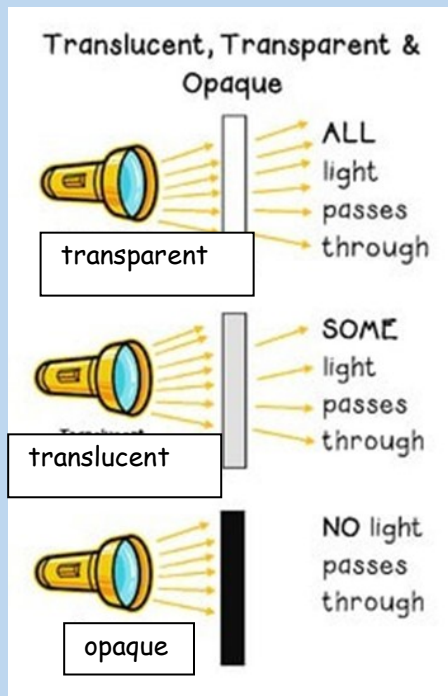


paper:  
lightweight,  
flexible.



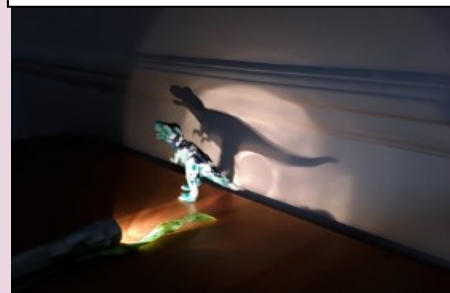
fabric:  
soft, flexible,  
hard-wearing,  
can be stretchy,  
warm, absorbent.

Recapped Vocabulary



New Knowledge:

Darkness is the absence of light.  
You need light in order to see.



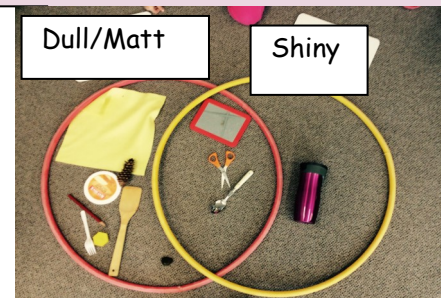
Things that give off light are called light sources.



Reflection involves a source of light and a surface.

Light travels towards a surface and bounces off it.

Shiny surfaces reflect a lot of light, but most objects reflect at least a bit of light.



Working Scientifically

Draw your own tables.

Collect your own data.

Distance from light	Height of shadow (cm)
10	12
11	10
12	8.5

New Vocabulary

<b>light</b>	A form of energy that enables us to see things.
<b>light source</b>	An object that gives off light.
<b>darkness</b>	The absence of light.
<b>reflect</b>	When light bounces off a surface.
<b>shiny</b>	A smooth surface that reflects a lot of light.
<b>dull/matt</b>	Surfaces that do not reflect much light.
<b>shadow</b>	Darkness that occurs when an object blocks the light

**Sun protection**

healthdirect



Light from the sun can be dangerous.  
There are ways that you can protect yourself.

You can make shadows when an opaque object blocks the light.

You can change the size of a shadow by changing where the light source is.

