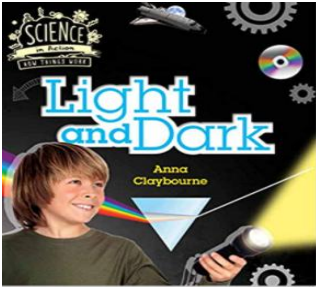
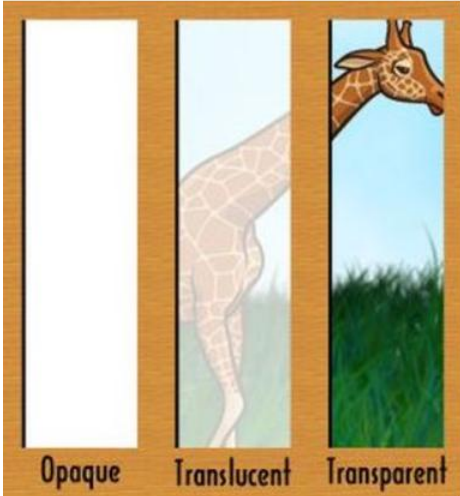


Light and Dark Knowledge Mat

Subject Specific Vocabulary		Interesting Books	Sticky Knowledge about light sources
light source	Something that gives out light		☐ Light sources can be man made (torches, lamps, candles,) some are natural (sun, glow worms)
opaque	A material that does not let light through		☐ Materials can be opaque, translucent or transparent
reflect	When light hits an object and bounces off		☐ Opaque materials form shadows when lit from behind
translucent	A material that lets some light through but you can not see through it clearly	Important image to understand by the end of the Celebrations unit: 	☐ Some materials can reflect light. We call these reflective materials and they are used to keep people safe in low light conditions.
transparent	A material that lets light through and you can see through it clearly		☐ Opaque materials form shadows when lit from behind
shadow	The dark shape an opaque object makes when it is between the light source and the surface		☐ Nocturnal animals such as hedgehogs, badgers, bats and owls have super senses which help them navigate their world in the dark
hibernation	When some animals 'sleep' through a period of cold weather in order to survive.		☐ Nocturnal animals are active in the night and asleep in the day
nocturnal	Animals which are active at night and sleep during the day		☐ In winter there is less daylight and the weather turns colder. Some UK animals hibernate to survive the colder months. These animals are hedgehogs, bats and the dormouse.