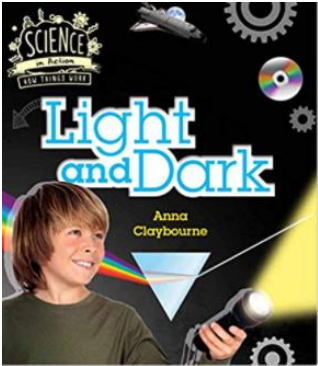
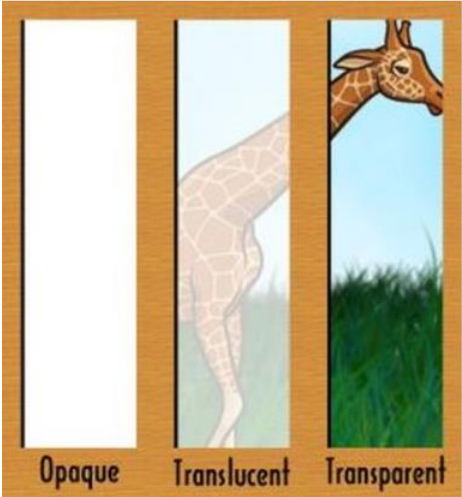


Light and Dark Knowledge Mat

Subject Specific Vocabulary		Interesting Books	Sticky Knowledge about light sources
light source	Something that gives out light		<input type="checkbox"/> Light sources can be man made (torches, lamps, candles,) some are natural (sun, glow worms)
opaque	A material that does not let light through		<input type="checkbox"/> Candles are made from wax and a wick. The wax melts when hot and turns from a solid to a liquid
reflect	When light hits an object and bounces off		<input type="checkbox"/> Lights sources vary in strength and can be measured by a light meter.
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: 	<input type="checkbox"/> Materials can be opaque, translucent or transparent
transparent	A material that lets light through and you can see through it clearly		<input type="checkbox"/> 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		<input type="checkbox"/> Nocturnal animals have a range of adaptations to help them navigate their world in the dark
adaption	How animals and plants change to ensure that they can live in their habitat		<input type="checkbox"/> Nocturnal animals are active in the night and asleep in the day
nocturnal	Animals which are active at night and sleep during the day		<input type="checkbox"/> Nocturnal animals include hedgehogs, badgers, bats and owls