

Light Knowledge Mat

Sticky Knowledge- What do I need to know?		Key Vocabulary- What words do I need to know and understand?	
Week 1	I know that we need light to see things and that dark is the absence of light.	reflection	A reflection occurs when a ray of light hits a surface and bounces off.
Week 2	I can notice that light is reflected from surfaces.	shadow	A shadow is formed when an object blocks out the light. The object must be opaque or translucent to make a shadow.
Week 3	I understand that light from the sun can be dangerous and that there are ways to protect my eyes.	nocturnal	If something is nocturnal, it belongs to or is active at night. For example, bats and owls.
Week 4	I know that shadows are formed when the light from a light source is blocked by a solid object.	opaque	Opaque objects do not allow light to pass through them, in most cases creating a shadow.
Week 5	I know that when you are closer to a light source the shadow gets bigger and darker and when you are further away it gets smaller and lighter.	refraction	It is the change of direction of a light ray as it passes through different surfaces, for example, from air to water.
Week 6	I notice that light is reflected from surfaces (mirrors).	light source	The main light source for Earth is the sun. Some other luminous objects give out light, for example, torches, candles and lamps.