

Physics

Light



Energy



Year 3 - Spring Term

What should I already know?

- I should know that during the day time it is light and night time it is dark.

Essential knowledge.

- Light is a type of energy that lets us see things. If there is no light, we cannot see anything.



- Light comes from different light sources.



- Our eyes can see objects because the light reflects off the surface. Shiny objects reflect light best.



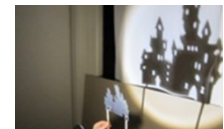
- Light from the sun can be dangerous and there are ways to protect ourselves.

Vocabulary

Energy	Energy gives something power.
Translucent	Describes an object that lets some light through.
Transparent	Describes an object that lets light travel through easily.
Opaque	Describes an object that does not let any light pass.
Shadow	An area of darkness where light has been blocked by an opaque object.
Light	A form of energy that travels in a wave from a light source.
Light source	An object that makes its own light.
Dark	The absence of light
Reflect	To bounce light from a surface

Essential knowledge.

- Shadows are formed when the light from a light source is blocked by an opaque object.



- We can change the size of the shadow by changing the position of the light source or object.

Working scientifically.

What is our enquiry type?

Observing Changes Over Time	Pattern Seeking	Identifying, Grouping & Classifying	Fair Testing	Research
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Working scientifically skills

PLAN	Ask questions		DO	Measure	
PLAN	Plan the enquiry		REVIEW	Interpret	

