KNOWLEDGE ORGANISER

SCIENCE	LIGHT	YEAR 3/4

Cross curricular links

Cross curricular link to DT Light and Sound Unit of Work Spring 2

Working scientifically

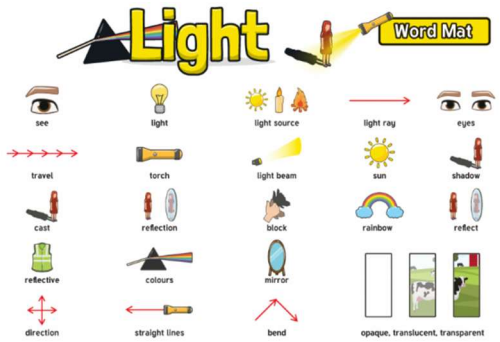
Gathering, recording and using data

Gather data in a variety of ways to help answer questions

Classify data in a variety of ways to help answer questions (e.g. sorting objects that produce/do not produce light).

Find patterns in the way that the size of shadows change

Pictures/photos relevant to topic



Key skills

Recognise light is needed in order to see things and that dark is the absence of light

Notice that light is reflected from surfaces

Recognise that light from the sun can be dangerous and that there are ways to protect eyes

Recognise that shadows are formed when the light from a light source is blocked by a solid object

Take accurate measurements using standard units

Key Vocabulary/definitions

Reflected: throw back light without absorbing it

Surfaces: the outside part or uppermost layer

Dangerous: the sun is able to cause harm or injury

Protect: keep safe from harm or injury from the sun

Shadows: a dark area produced by an object coming between rays of light and a surface

Blocked: put an obstacle in the path of the rays of light

Useful Information

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	RESOURCES: What is Light? **https://www.bbc.co.uk/bitesize/topics/z3nnb9q/articles/zpnvf82#zpghhcw0** **ACTIVITY:** Making a Moon Dial (pages 14-16) **https://www.britishscienceweek.org/app/uploads/2023/01/Primary-Activity-Pack-2023-British-Science-Week.pdf**