

Learning Flow

Year 3 – Science – Term 2 – Light

What do we already know?

- Topic Page – Prior knowledge . What do we already know? What questions do we have? What is a significant individual? How might they have changed our world?

How do we see?

Recognise that they need light in order to see things.

- Recognise that dark is the absence of light.
- How can light affect our sight?

KPI – Light is from light sources and we see by reflected light that travels in straight lines and enters our eyes.

Reflective materials

- What happens when the light hits a reflective material?
- What happens if you change the position of the light?

KPI – Use scientific language and read and spell age-appropriate scientific vocabulary.

Significant Scientist

- Learn who Justin von Liebig is
- What was his scientific discovery?
- How does his discovery impact us today?

How are shadows formed?

- What is a shadow?
- Explore transparent, translucent and opaque materials. What do they observe? Record.
- How can the darkness of the shadow be changed?

KPI – Understand the idea of shadow formation and size. Making careful observations and, where appropriate, taking accurate measurements using standard units with a range of equipment.

How can the sun be dangerous?

- How can the sun be harmful to us?
- How can we protect ourselves?
- How does it affect our eyes? – Dark to light.
- UV. What is it? How can we protect ourselves? UV beads.

What do we know now?

- Make it! Information poster about sun safety
- Quiz.
- Flashforward- Next term. What do we know?