

Science Vision Map

Year 3 – Light

Crucial Knowledge

- Light is needed to see things.
- The sun makes light.
- Darkness is when there is no light.
- Light travels.
- We see things only when light enters our eyes.
- Light can be reflected (thrown back) off some surfaces.
- Shiny things need light for them to be shiny.
- Some materials stop light from travelling.
- Shadows are made when objects block the travelling light.
- Shadows can change in size based on the use of light.

Intent

- Recap – Seasonal change (Year 1)
- Where does light come from?
- Comparing different light sources
- Dangers of light (especially the sun) and ways to protect our eyes
- Reflected light
- Shadows: how they are formed and what changes them
- Exploring shadows
- Thomas Edison: improved designs of the lightbulb