

Topic: Our Island, Our Future

Big Question: What can I do?

Geography

At the end of this unit children will be able to:

- Explain what climate change is and the impact it has on our planet
- Discuss what greenhouse gases are and recognise the effect they have when they are used
- Analyse graphs and statistics to understand how the increasing population can put strains on the planet's resources
- Understand the carbon cycle and the different ways that carbon is released into the atmosphere
- Produce an explanation video about climate change explaining what we can do to increase sustainability and look after our planet

Key Vocabulary

global warming
ice caps
greenhouse gas
climate change
increase
carbon
atmosphere
environment
fossil fuels
deforestation
respiration

Science: Light

Big Question: Can you see around corners?

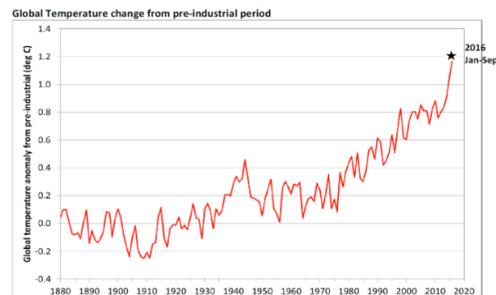
Science

At the end of the unit children will be able to:

- Recognise that light travels in straight lines
- Explain that we can see objects because they either give out light or reflect light into the eye
- Understand that the eye is a ball with a hole at the front, the pupil, which lets in light. Inside the eye is a lens which focuses the light onto a surface at the back of the eyeball
- Know the relationship between the light source, object and shadow. E.g. the closer the light source, the larger the shadow
- Discuss a range of phenomena involving light, including rainbows

Key Vocabulary

prism
spectrum
periscope
reflect
refract
ray
absorb
lens
cornea
visible
pupil



Year 6
Autumn Term 2

