

## Topic: Our Island, Our Future

### Big Question: What can I do?

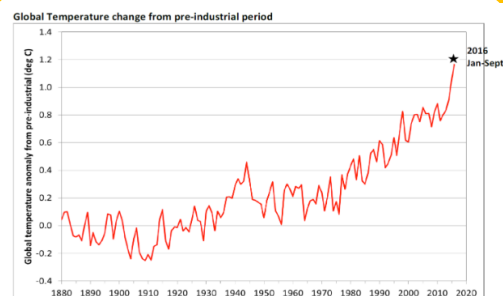
#### Geography

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

