

Subject	Year	Term
Geography	7	Spring term 2
<b>Topic</b>		
Think today, enjoy tomorrow		
<b>Content + skills (Intent)</b>		
<p><b>Prior Learning (Topic)</b></p> <p><b>KS1/KS2-</b> Use simple fieldwork and observational skills to study the geography of their school and its grounds and the key human and physical features of its surrounding environment. use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies</p>		
<p>Through this topic students will</p> <p>Through this topic pupils will develop their knowledge to understand how human and physical processes interact to influence and change the climate and how human activity relies on effective functioning of natural systems. Students will be taught the impact of global warming and learn how to adapt to climate change. Learning about this can encourage pupils to change their attitudes and behaviour; it also helps them to make informed decisions. It helps pupils understand and address the impacts of the climate crisis, empowering them with the knowledge, skills, values and attitudes needed to act as agents of change. This topic will empower pupils, but especially motivate them to take action. Knowing the facts helps eliminate the fear of an issue which is frequently coloured by doom and gloom in the public arena. This topic hopes to tap into the minds and imaginations of the pupils to capture what it means to be a child growing up in the age of rapid climate change.</p>		
<p><b>Future Learning (Topic)</b></p> <p><b>KS3 at Balcarras</b></p> <p>Cut down deforestation, Weather the storm, Perishing places (Year 8) The delicate balance- ecosystems (Year 9)</p> <p><b>KS4 at Balcarras</b></p> <p>UK physical landscapes- glacial, Natural hazards,</p> <p><b>KS5 at Balcarras</b></p> <p>Hazards, Coasts (Year 12) Water and Carbon, Population and the environment, Global governance (Year 13)</p> <p>All Years – map and atlas skills</p>		
<p>How will knowledge and skills be taught? (Implementation)</p>	<p>How will your understanding be assessed &amp; recorded (Impact)</p>	
<p>A series of lessons covering an introduction to the environment and sustainability. Pupils will explore the issues of plastic pollution and the impact bottled water can have on an environment. Pupils will then explore a range of fieldwork techniques to investigate the environment and sustainability of their local community/area.</p>	<p>Through an end of topic assessment which will cover the fieldwork enquiry and related geographical skills. Marks for homework tasks Marking of classwork/tasks</p>	

## How can parents help at home?

Support with homework and revision techniques for graded assessments. Discuss current affair issues by watching/reading the news. Download the BBC or Guardian news app and set to environmental notifications to receive the most update articles. Watching relevant documentaries e.g. David Attenborough, wildlife/environments.

Get involved with the school eco club and make a change!

### Places to explore

Plana visit to the new Gloucester incinerator and take a tour.

<https://www.ubbglooucestershire.co.uk/>

Urbaser Balfour Beatty manages the residual waste, that is waste left over after recycling and reuse, in Gloucestershire on behalf of Gloucestershire County Council. The Energy from Waste Facility, which is now operational at Javelin Park near Gloucester, significantly reduces the county's dependence on landfill, whilst recovering value from waste in the form of electricity, recyclable metals, and aggregates.

The science museum

<https://www.sciencemuseum.org.uk/see-and-do/our-future-planet>

### Programmes you could watch

<https://www.youtube.com/watch?v=H2QxFM9y0tY>

<https://www.bbc.co.uk/programmes/m00049b1>

### Conversation Starters:

Is climate change the most important challenge of our times?

Can the social cost of carbon be calculated?

Should individual extreme weather events be attributed to human activity?

Banning bottled water removed a healthy choice and leads to increased consumption of unhealthy sugary drinks

Other types of drinks have plastic containers that are more harmful than plastic water bottles, and bans don't necessarily reduce waste

Should future investments in energy technology be limited exclusively to renewables?

## Helpful further reading/discussion

### Reading

Climate Action by Georgina Stevens

Climate Rebels by Ben Lerwill

The Carbon-Neutral Adventures of the Indefatigable Enviroteens by First Dog On the Moon

Death and Sparkles by Rob Justus

Beetles for Breakfast by Madeleine Finlay

Challenge Everything: The Extinction Rebellion

Youth Guide to Saving the Planet by Blue Sandford

### Vocabulary Lists

Environment

Sustainable

Carbon footprint

Greenhouse gas

Enhanced greenhouse effect

Direct emissions

Indirect emissions

Climate change

Renewable

Non-renewable

Fossil fuels

Global warming

Carbon neutral

Consumption

### Careers Links

<https://youmatter.world/en/jobs-careers-sustainability-options/>

<https://www.careers.ox.ac.uk/sustainability-environment#collapse1527571>

<https://www.youtube.com/watch?v=74QHS6O6egE>