

Objectives and key words	
<p>Knowledge:</p> <ul style="list-style-type: none"> • I understand what climate change is • I understand that climate change can be controversial • I know some evidence for how we know climate change is happening • I understand what is happening to global temperatures and how it affects ice sheets and glaciers • I understand the natural causes of climate change • I know how humans are causing climate change (enhanced greenhouse effect) • I can use satellite imagery to monitor change in glaciers • I know the consequences of climate change for our world • I know the consequences of climate change for our country • I know how important Antarctica is to all of us • I know how Antarctica is changing • I know what I can do to limit the effects of climate change • I know how countries could develop in a more sustainable way • I understand that to combat climate change it requires international agreement and collaboration (working together) • I understand that climate change is linked to many human and physical parts of geography 	<p>Key Words (Tier 1, Tier 2, Tier 3):</p> <p>Climate change Global warming Greenhouse effect Greenhouse gases Enhanced greenhouse effect Ice sheet Glacier Milankovitch cycles Meteorologist Permafrost Extreme weather Heatwave Drought Flooding Antarctica Arctic Sustainable development</p>
NC link code: A3, C1, D1, D3	
<p>Prior learning:</p> <ul style="list-style-type: none"> - Glaciation unit - Development unit (sustainable development and development goals) - Weather and climate unit - Remote sensing skills - All prior fieldwork <p>Prior learning at KS2: Some have covered climate change and sustainability, include the impacts of CC and causes</p>	<p>Future learning:</p> <p>This is the end of KS3 geography This links well with aspects of the GCSE syllabus regarding climate This also links well with the A level syllabus regarding Global commons, development and ecosystems</p>
Hypotheses/objectives for lessons	Geographical skills
<p>LO1 How do we know the world is warming up LO2 What is the greenhouse effect and the enhanced greenhouse effect LO3 What can remote sensing tell us about climate change (skills book) LO4 What will the global consequences of climate change be LO5 What will the consequences of climate change be to the UK LO6 What is Antarctica like (enquiry) LO7 What can we do about climate change LO8 Should poorer countries limit their development LO9 What is the future of the planet LO10 Food waste survey (fieldwork, possible)</p>	<p>Remote sensing Enquiry study Possibility of field study on food waste Various graphs and maps to be used regarding evidence mainly</p>
Misconceptions	
<p>The differences between greenhouse effect and enhanced greenhouse effect That climate change is a completely natural, and we are adding to it The difference between Antarctica and the Arctic</p>	
Success/Assessment	

- Opportunities through Blooket to assess vocabulary from the key word list
- Vocabulary definition quiz
- HW activities via Educake
- Small AFL exam questions
- An annotated concept map that shows how climate change is linked to other aspects of the subject

Employment skills and career opportunity

Aiming high Creativity **Leadership** Listening Presenting Problem solving
Literacy Numeracy **Independence** Communication Teamwork Staying positive

Career link: charity fundraiser

<https://www.unifrog.org/student/careers/keywords/charity-fundraiser>

Pedagogy approaches (and homework suggestions)

LO3. STARTER – careers (charity fundraiser)