

Year 8: Climate Change



Lessons

1. Why is our climate changing?
2. Climate change and global warming
3. Causes of Climate Change
4. CS Tuvalu 1
5. CS Tuvalu 2—Assessment
6. Feedforward
7. Impacts on the UK
8. Why does it flood?
9. Managing CC mitigation
10. Managing CC adaptation
11. What can you do to tackle climate change
12. Carbon Change emission and capture investigation
14. Investigation 2
- 15 Revision

Links to KS3

- Yr 7 Weather
- Yr 7 Africa
- Yr 8—Fantastic Places
- Yr 9 Plentiful Planet—resources
- Yr 9—India

Broad overview

One of the biggest challenges facing our world today is Climate Change. In this unit pupils will learn the difference between the natural greenhouse effect and the enhanced greenhouse effect leading to the fast global warming we are experiencing today.

Pupils will learn about the causes and impacts around the world; including the UK. Importantly they will also discover what governments, large organisations and we personally can do about it

Assessment:

Mid Unit Assessment: Tuvalu—a sinking nation

End of Unit Test

Homework:

Mid Unit Assessment: Tuvalu

End Unit Test

Links to GCSE and A Level:

- Development
- Climate Change
- Extreme weather
- Water and Carbon Cycle
- Population and Health

Extra Curricula:

<https://www.amnh.org/explore/ology/climate-change>

Keywords :

greenhouse effect, enhanced, global warming, change, rapid, historical, evidence, ice cores, frost fairs, tree rings, causes, Milankovitch cycles, volcanoes, fossil fuels, deforestation, agriculture, factories, transport, cows, methane, co2, water vapour, impacts, Tuvalu, sea level rise, migration, crops, fish, stilts, seawalls, flooding, heatwaves, storms, extreme weather, health, drought, adaptation, mitigation, sustainable, local, global, carbon sink, carbon capture

Jobs:

- Climate scientist
- Sustainable energy engineer
- Sustainability consultant for businesses
- Sustainable transport planner