



Young
CLIMATE
Warriors



Young Climate Warriors Climate Change Club in a Box Session 6 What is Carbon?





What three ways did you find to reduce your fossil fuel 'energy' usage?

Which do you think make the most impact on climate change?



What is carbon?

How would you explain 'carbon emissions'?

Pre-Industrial
Revolution
280ppm

What does the 'hockey stick graph tell you?

Today
415 ppm



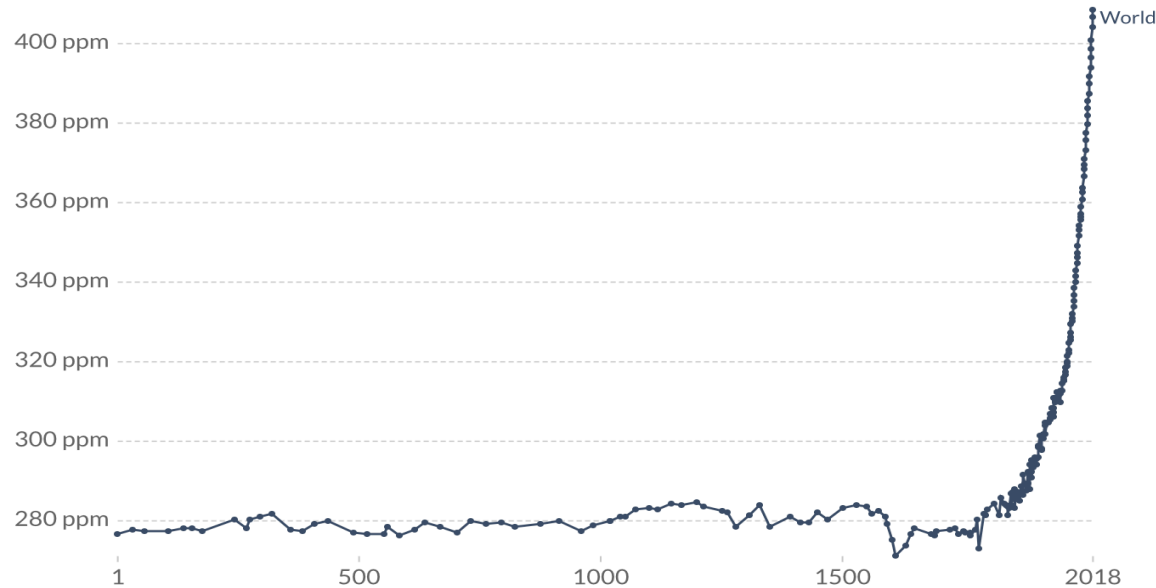
[Ice core
drilling](#)

Target
350ppm

Global CO₂ atmospheric concentration

Global mean annual concentration of carbon dioxide (CO₂) measured in parts per million (ppm).

Our World
in Data



Source: NOAA/ESRL (2018)

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Can you think of some of the main reasons why these figures are so different?

Carbon emissions per person (2016 - latest World Bank data)

UK

5.8 tonnes

America

15.5 tonnes

Kenya

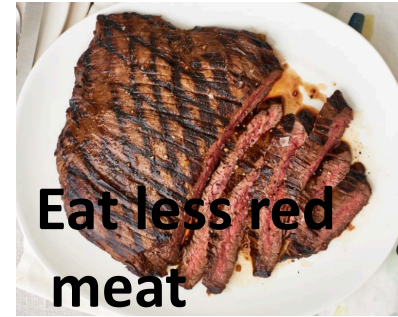
0.4 tonnes

What do we need to do to reduce our carbon emissions?

Reduce the burning of fossil fuels



Eat less red meat



Reduce consumption
Think...do we really need to buy it



Drive less



Fly less



Reduce food waste



Use less plastic



What is a carbon footprint?

What would you need to think about to understand the Carbon footprint of a Can of Coke?



[Lifecycle of a T-shirt](#)



How can we reduce our consumption of 'stuff'?



Can I reuse,
share, borrow,
upcycle, buy
second-hand?

**Think...do we really
need to buy it**



Try filling in YOUR carbon footprint?





Challenge for the week!

PIN YOUR CARBON
FOOTPRINTS up somewhere at
school – and chat about it with
your classmates.
Remember – ‘Do I really need it?’