An increase in the amount of carbon dioxide (CO2) in the atmosphere is changing Earth’s climate and it’s affecting every part of our world.

**BOO TO TOO MUCH CO2**
This increase in CO2 has been caused partly by deforestation (clearing rainforests to create space for food and fuel), and by the burning of fossil fuels (the coal and natural gases that power our world).

**2020**
Scotland is harnessing its windy weather and stormy seas to generate clean energy. They’re on track to generate all of their electricity from renewable energy (like these wind turbines) by 2020.

**REEFs AT RISK**
Warm, polluted, acidic seas kill coral reefs, which are an important home to over 2 million species.

**NICE ICE**
Warmer temperatures mean that sea ice is melting. Polar bears need sea ice to hunt and to get onto land to have cubs. It’s also home to minute algae – a vital food for marine life. Melting ice means rising sea levels, which causes land to flood.

**ACID OCEANS**
Sea water usually absorbs CO2, but increased CO2 levels in the atmosphere (combined with higher water temperatures) are making oceans more acidic so they can’t do their job.

**WE NEED NATURE!**
Nature can protect us from intense weather. Forests help drain water and reefs act as flood barriers – but we need to look after nature so it can look after us!

**1 IN 6**
One in six species are at risk of extinction due to climate change.

**WANT TO HELP TACKLE CLIMATE CHANGE?**
Visit the WWF website for more engaging classroom resources and activities: wwf.org.uk/schoolsandclimate

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