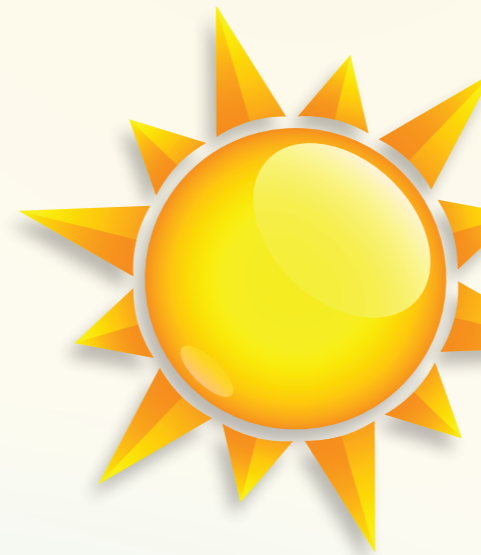




# CLIMATE CRISIS!

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.



30%

Experts have calculated that if Earth's **temperature rises by just 1.5°C**, up to 30% of species may be at risk of extinction. If temperatures increase by 2°C most ecosystems will struggle.

## 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).



## 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.



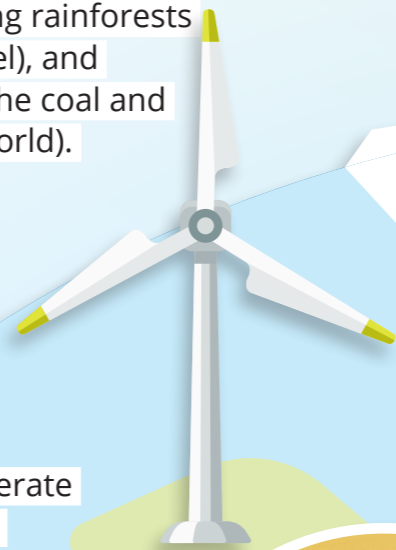
## WILD WEATHER

Climate change means more extreme **weather events**. Forest fires, floods and droughts are already becoming more common.



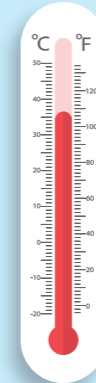
2020

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.



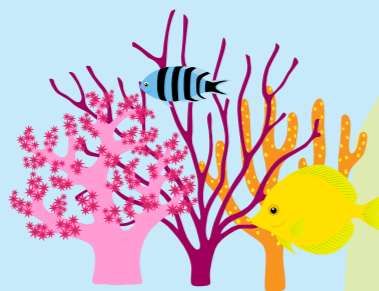
## ACID OCEANS

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.



## REEFS AT RISK

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



## 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?

There are lots of ways you and your school can help to reduce your carbon footprint. Check out our fun footprint calculator to find out more.