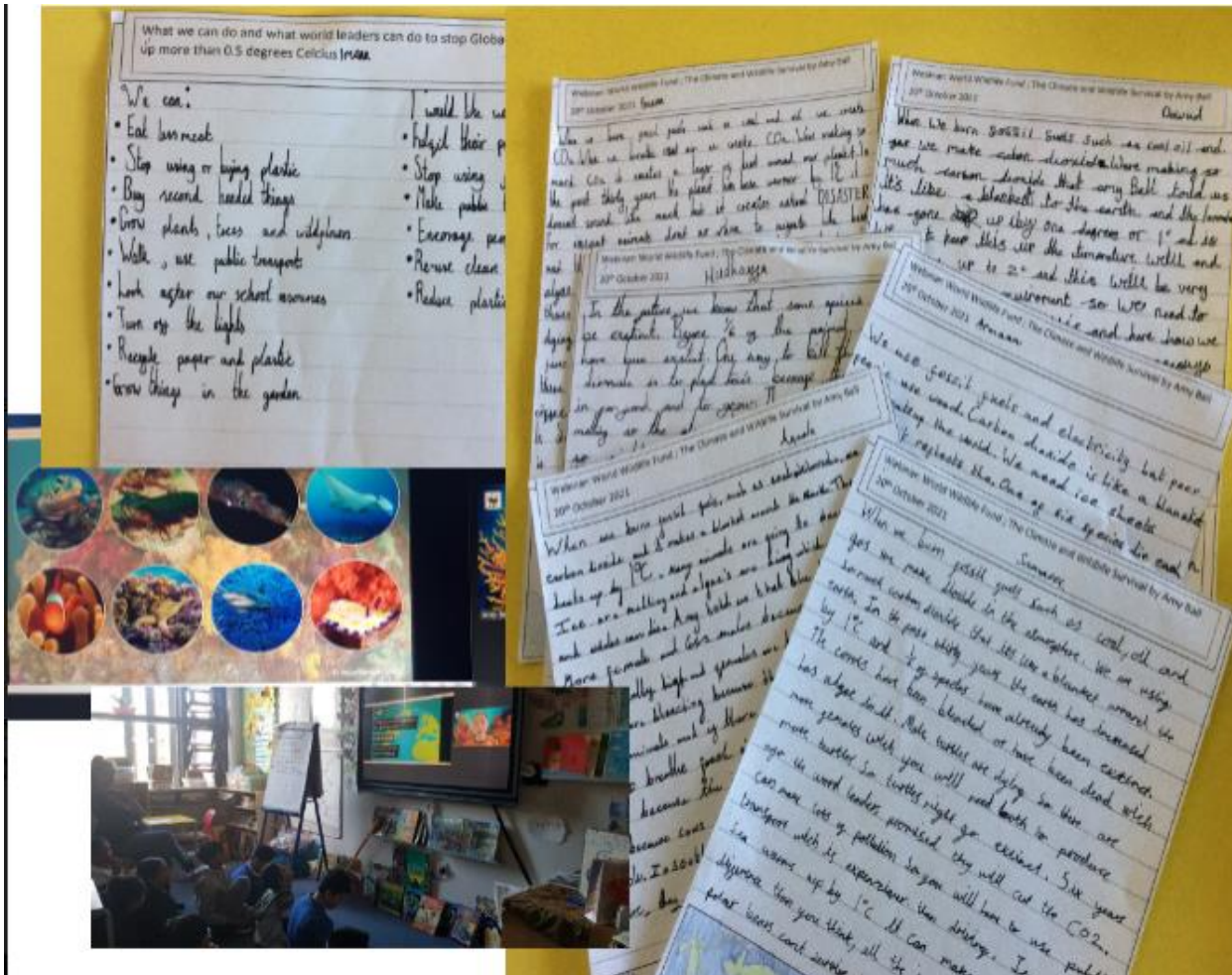


Environmental Lessons and Learning about Global Warming and Pollution

Children have the opportunity to think about the Environment through cross curricular work, including Science. Children in Year 5 took part in a Webinar with Amy Ball from the WWF, where they learnt about the way in which burning fossil fuels to create carbon dioxide is causing the earth's atmosphere to act like a warm blanket and heat up the earth. Amy described all of the environmental consequences of the earth warming and what impact it will have on the environment in the future. She invited Year 5 to make a Promise to the Planet Leaf for the Forest of Promises at COP 26. This is giving the children a voice that can be seen by World Leaders, when they decide on what actions they plan to take to limit carbon emissions.



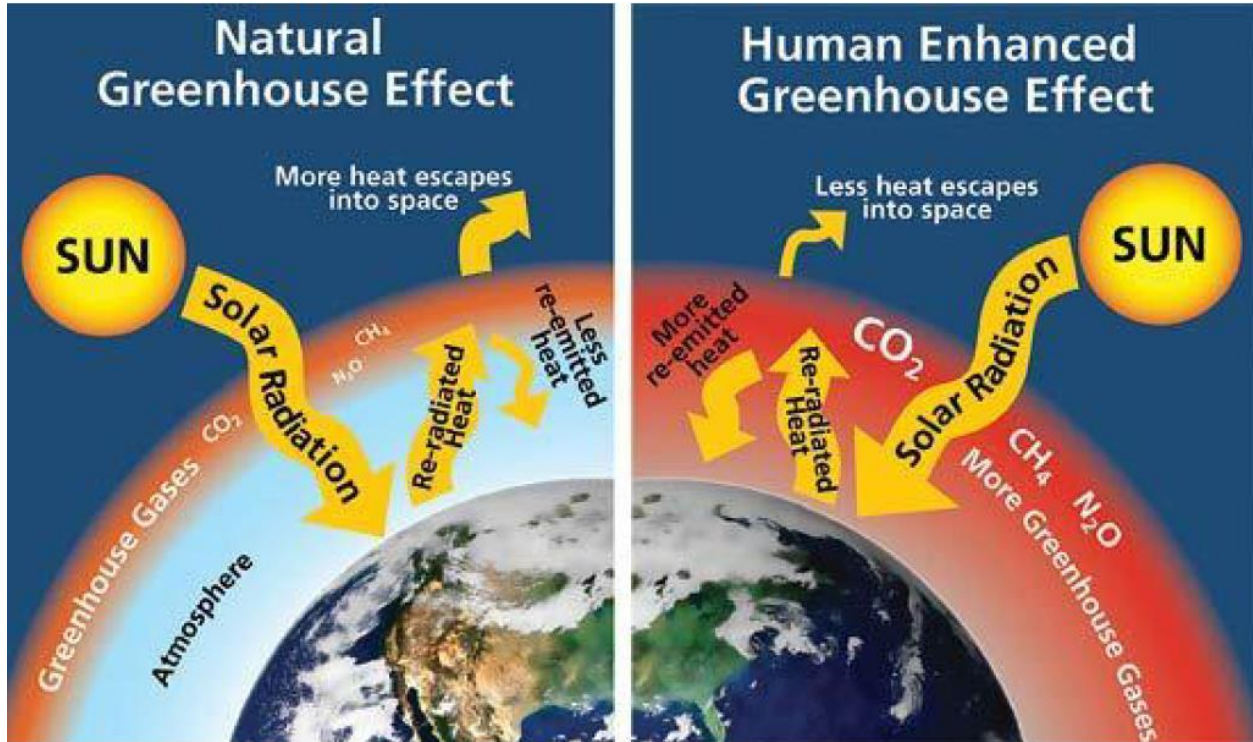
Environmental Lessons and Learning about Global Warming and Pollution



Resources have also been provided by Aim Hi Climate and Nature Course Materials attended by a Teacher From Marnar. These resources give staff the confidence to explain the causes and consequences of Global Warming to the children, with confidence.



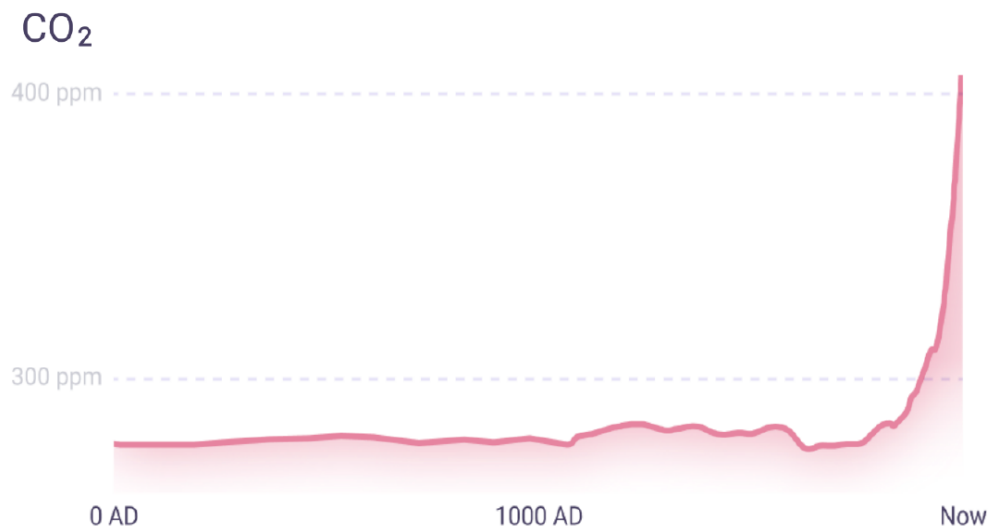
- “We are in a planetary emergency.”**
 - Prof. James Hansen, Former Director, NASA Goddard Institute for Space Studies
- “Based on sober scientific analysis, we are deeply within a climate emergency state but people are not aware of it.”**
 - Prof. Hans Schellnhuber, Founding Director of the Potsdam Institute for Climate Impact Research
- “There is sufficient evidence to draw the most fundamental of conclusions: now is the time to declare a state of planetary emergency. The point is not to admit defeat, but to match the risk with the necessary action to protect the global commons for our own future.”**
 - Prof. Johan Rockström, Director of the Potsdam Institute for Climate Impact Research
- “This is an emergency and for emergency situations we need emergency action.”**
 - Ban Ki-Moon, Former UN Secretary-General
- “The climate emergency is our third world war. Our lives and civilisation as we know it are at stake, just as they were in the Second World War.”**
 - Prof. Joseph Stiglitz, Economist, recipient of the Nobel Memorial Prize in Economic Sciences

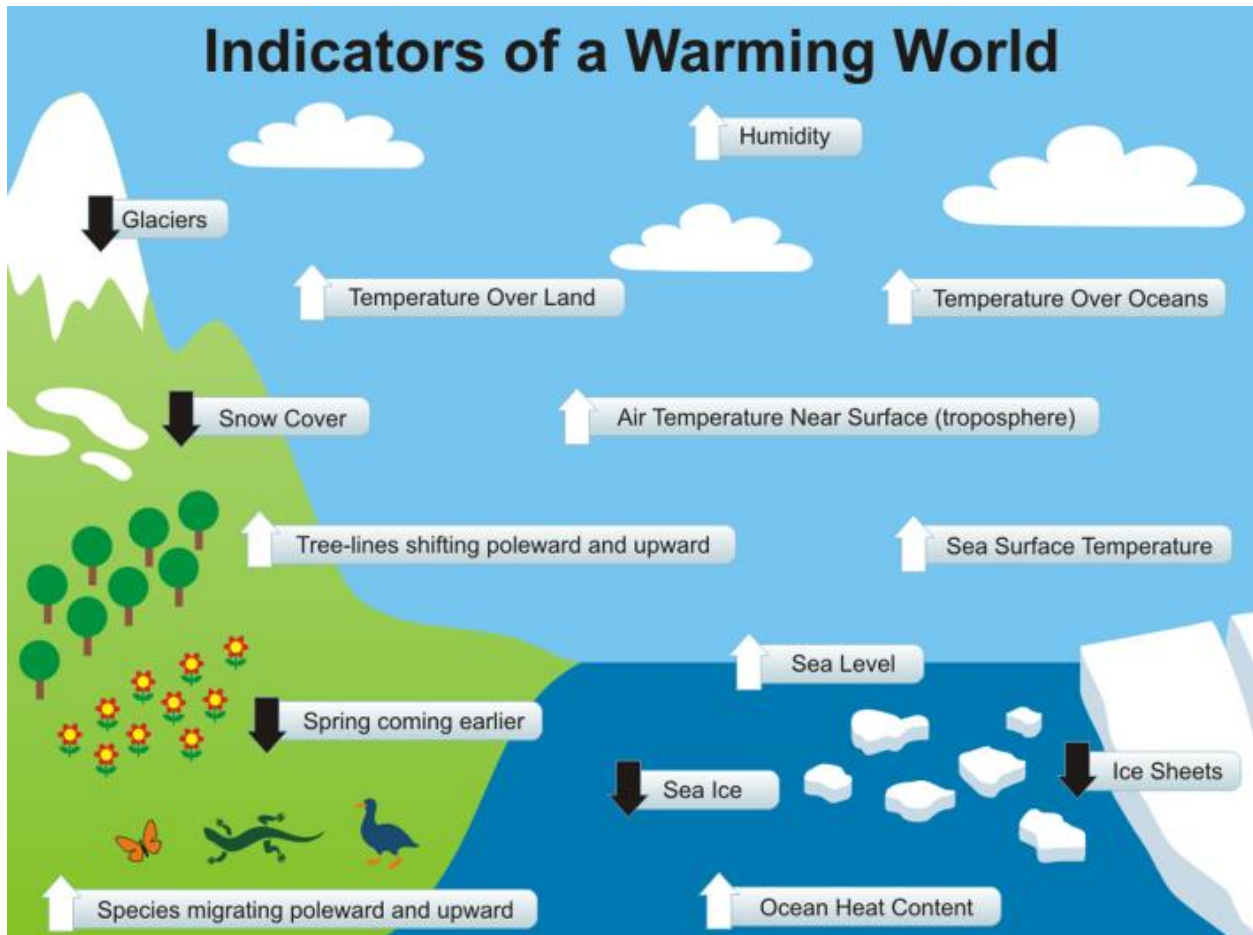


They also suggest actions that individuals and collectives can take to influence Governments and Corporations to take into account the concerns of ordinary people.

CO₂ Levels

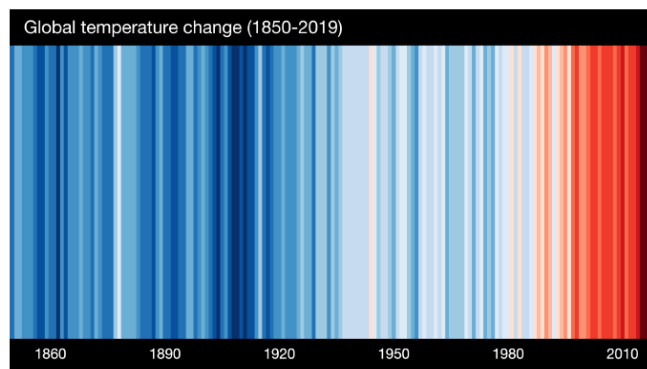
Here is a graph showing the level of CO₂ in the atmosphere over the last 2000 years. "ppm" means parts per million. 400 ppm means there are 400 molecules of CO₂ for every million molecules of air. This might not sound like much, but it has a big effect.





Climate Stripes

Prof. Ed Hawkins at the University of Reading created this graphic to illustrate the rise in global temperatures since the mid 1800s. Bluer means colder than average, and redder means hotter than average. We also recommend checking out his [Climate Spiral graphic](#).



([Prof. Ed Hawkins, University of Reading](#))

Environmental Lessons and Learning about Global Warming and Pollution