

# CLIMATE CHANGE WITH THE SCIENCE MUSEUM GROUP

## EPISODE 1: HOW CAN NATURE HELP US TACKLE CLIMATE CHANGE?

Questions inspired by a new series of videos from the Science Museum Group about how science is helping us tackle climate change

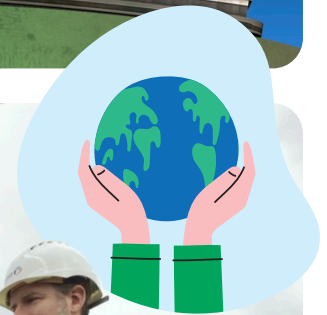
### NON-RENEWABLE ENERGY

- What happened during the Industrial Revolution?
- What are fossil fuels? Can you name them?
- Why are fossil fuels bad for the planet? Discuss with the person next to you.
- What are greenhouse gases and what impact do they have on the planet?
- At the 2015 Climate Change Conference in Paris, what did countries agree on?
- What does 'net-zero' mean? Write a definition with your partner.



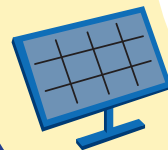
### GREENER ENERGY

- How does a wind turbine make electricity? Can you explain electromagnetic induction? You can draw a diagram to help you.
- Who discovered electromagnetic induction?
- What are the other ways that we can produce electricity?
- How many homes can six wind turbines power in a year?
- What happens if the wind changes direction?
- How can we capture energy from the tides? Explain it with your partner.
- What percentage of UK energy could one day be generated by tidal devices?



### The Big Question – 5 minutes to discuss

What can we do to save energy on a day-to-day basis?



Watch this video at [first.news/science-museum-nature](https://www.first.news/science-museum-nature)

