

CLIMATE CHANGE WITH THE SCIENCE MUSEUM GROUP

EPISODE 3: HOW CAN WE MAKE TRAVEL GREENER?

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

THE HISTORY OF CARS

- When was the first car cheap enough for ordinary people to buy produced?
- What is an internal combustion engine and how does it work? Draw a diagram to help you explain.
- Why were petrol-powered cars preferred over electric cars in the past?
- How can we reduce our car travel? Discuss it with your partner.
- What is the challenge for scientists when it comes to increasing electric car use?

FINDING GREENER TRAVEL SOLUTIONS

- How much of travel carbon emissions are produced by the top 1% of people?
- How fast did the Rolls Royce 'Spirit of Innovation' plane go?
- What are the biggest challenges of making planes completely electric? Discuss it with your partner.
- What is sustainable aviation fuel and how much does it decrease carbon emissions by?
- What are the pros and cons of powering planes with hydrogen?
- How many trains in the UK are now powered by electricity?

The Big Question

What forms of travel do you use? Rank them from the most to the least polluting.

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

