

CLIMATE CHANGE WITH THE SCIENCE MUSEUM GROUP

EPISODE 2: HOW CAN OUR HOMES 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

IMPROVING OLDER HOMES

- How many flats and houses are there in the UK?
- How much of the energy used in Britain is used in homes and buildings?
- What is going on at the Energy House Labs? What can they control inside the lab?
- What is a thermal imager and how does Jeriah use it? Explain it to your partner.
- What is insulation and how can we use it?



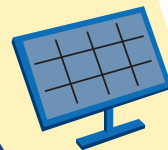
NEW ENERGY EFFICIENT HOMES

- What are solar panels and how can they help our homes?
- Who first discovered the effect used by solar panels?
- How many panels does an average house need to power everything?
- What is a heat pump? Draw a diagram to help you explain.
- What is the Future Homes Standard? Explain to your partner why it's important.
- What is a Vector Homes rapid-build house and how can they reduce carbon emissions from building homes?
- How would you convince someone to make their home more energy efficient?



Draw It! 5 minutes to...

Draw what you think an energy efficient home might look like in the future.



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