

Wind power

Electricity generated from wind turbines is low-carbon and becoming less expensive.

Wind is the UK's strongest source of renewable energy and in 2019 made up approximately 20% of the UK's electricity with many on and off-shore wind farms opening.

🕒 Time to build

Design and build a wind turbine that will lift a paperclip attached to a piece of string.

Test different designs.

- Which are most effective?
- Why do you think?

Materials

- Recycled cardboard
- Recycled card
- Paperclips
- String
- Sticky tape
- Straw
- Any other materials you can find at home or at school

What energy stores and transfers are happening?

Tip: Use a cotton reel as the centre piece of your wind turbine.

🕒 Time to research

How does a wind turbine generate electricity?
Research different types of wind turbines.

