

Wind Sock

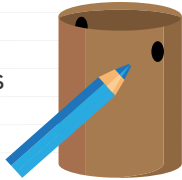
Wind socks can help you find the right direction to build a wind turbine so that it catches the best breeze.

STEP 1

- Decorate a **cardboard tube** (like the core of a toilet roll).

STEP 2

- Make two holes on opposite sides using something pointy like a sharp pencil.

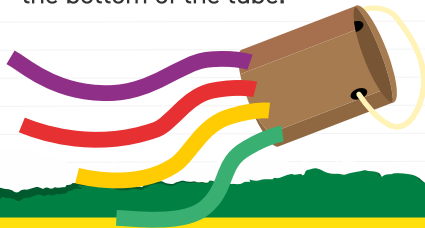


STEP 3

- Thread a length of **string** through the holes and tie the ends in a knot.

STEP 4

- Glue thin strips of **coloured paper, tissue paper or ribbons** around the bottom of the tube.



STEP 5

- Hold it up in the wind and watch it move!

If there is no wind, try running with it really fast!

Not all waste is waste!

Some landfill sites collect gas from waste as it rots. They use this biogas to make electricity.



Look at the map, maybe there is one near you!
Taken from <https://www.mygridgb.co.uk/map/>

See more at life.org.uk/life-at-home/energysuperstars

If you like these activities and would like Life to contact you if we have other cool stuff to share, get an adult to drop us an email at lifethome@life.org.uk

We will only use this email address for the purpose of sending free activities or opportunities and won't hold your details for more than 24 months.

Life Science Centre has a packed summer of activities for you to try at home.



Life[™] AT HOME

This week you're all ...

Energy Superstars

We use energy for all sorts of things, from making toys move to keeping roads brightly lit at night. A lot of our electricity now comes from renewable sources like the sun or the wind.

Harness the power of green energy with three different projects!

In partnership with



Water Mill

Build a gadget that spins, pushed by flowing water.

STEP 1

- Cut most of the handles off eight small **plastic or wooden spoons**.

STEP 3

- Fold up the flaps and **tape** around the tops, making sure to leave gaps beneath.

STEP 5

- Add some **blu-tack** to the middle of this shape and slot the spoons through the gaps so that the handles stick in the blu-tack.

STEP 2

- Trace this template onto thick **cardboard** and carefully cut out.

STEP 4

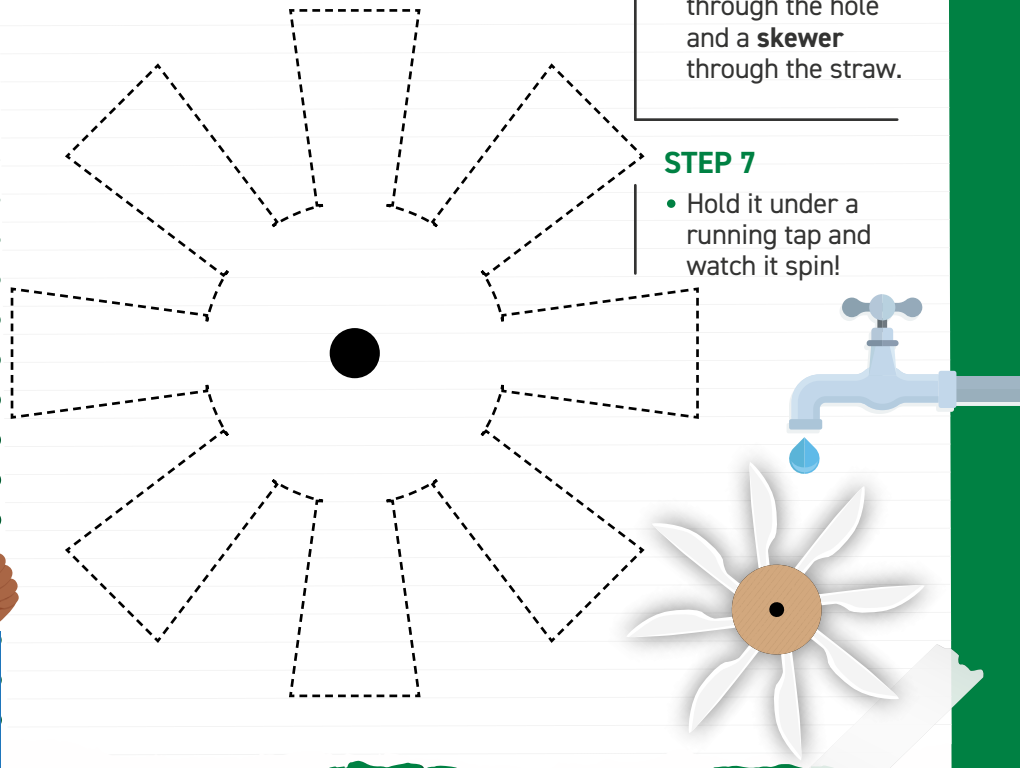
- Make a hole in the middle of the circle using a **sharp pencil**.

STEP 6

- Insert a **straw** through the hole and a **skewer** through the straw.

STEP 7

- Hold it under a running tap and watch it spin!



Box Oven

Heat up your food with the power of the Sun!

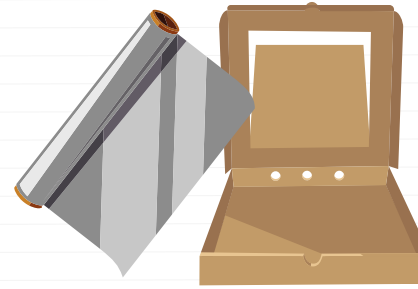
STEP 1

- Use **scissors** to cut out a flap from the lid of a shallow cardboard box (pizza boxes work well).



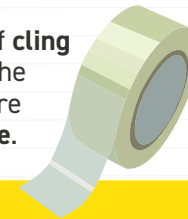
STEP 2

- Line the inside of the box and flap with **tin foil**.



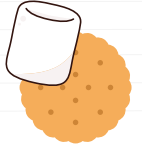
STEP 3

- Cut squares of **cling film** to cover the hole and secure them with **tape**.



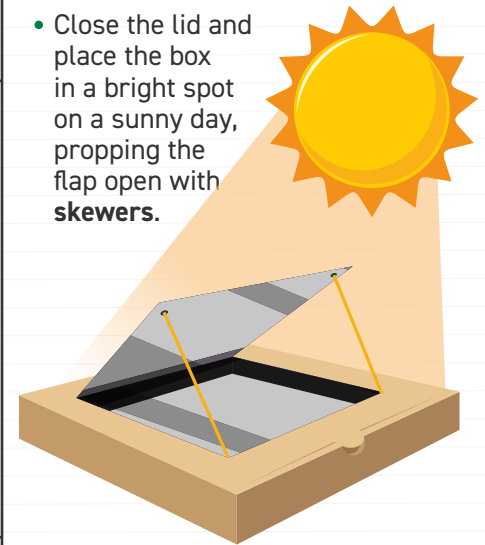
STEP 4

- Put a snack in the box to melt in the sunshine, marshmallows on biscuits or cheese on crackers are great.



STEP 5

- Close the lid and place the box in a bright spot on a sunny day, propping the flap open with **skewers**.



STEP 6

- Wait for your snack to melt... and enjoy!

Caution:
It can get really hot!

More help if
you get stuck:

