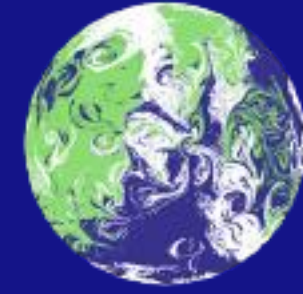


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VOICES FOR A GREEN FUTURE

IDEA?!

Educational pack
Years 3-6

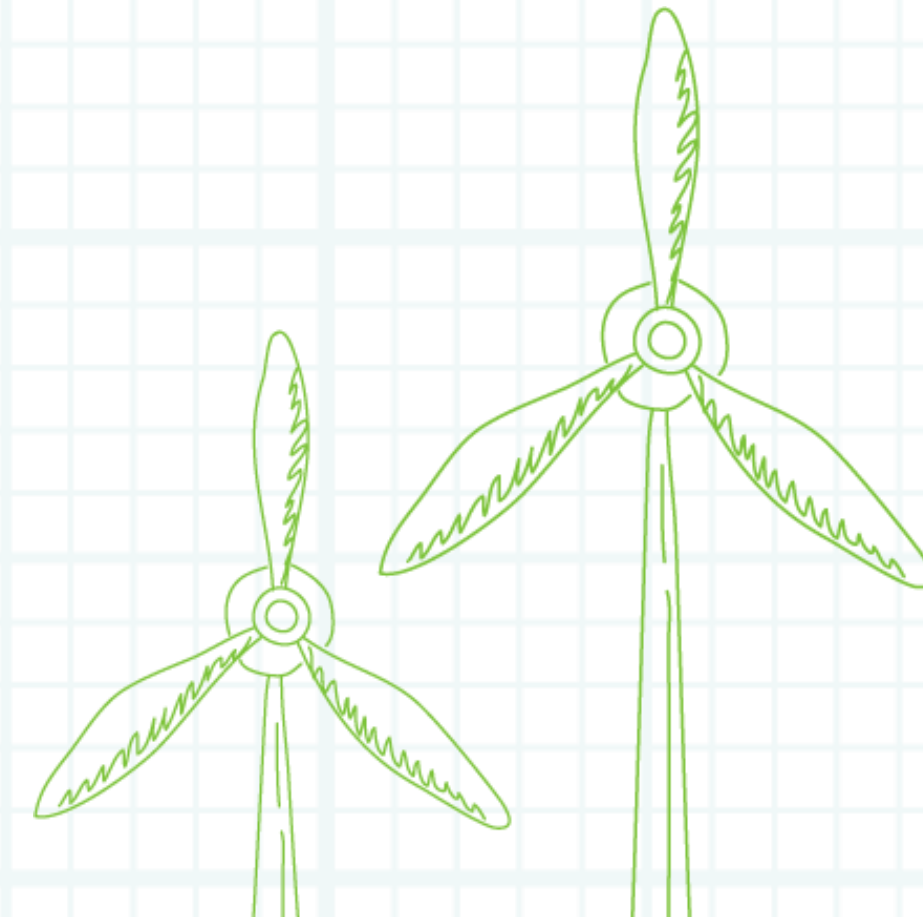


SAVE
OUR
PLANET



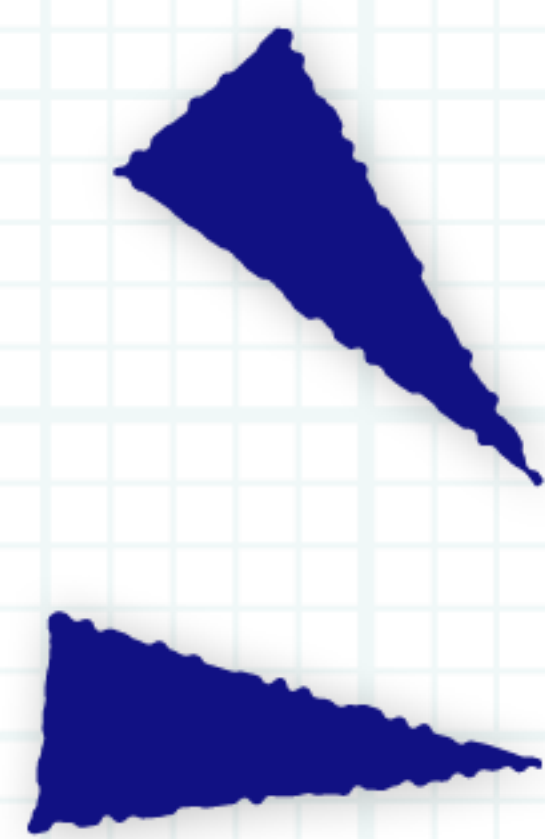
What we'll cover

1. What is National Grid?
2. Why are we talking about energy?
3. What action are we taking?
4. What is climate change?
5. What is COP26?
6. Voices for a Green Future – how to get your voice heard at COP26



A question for you

IDEA?!

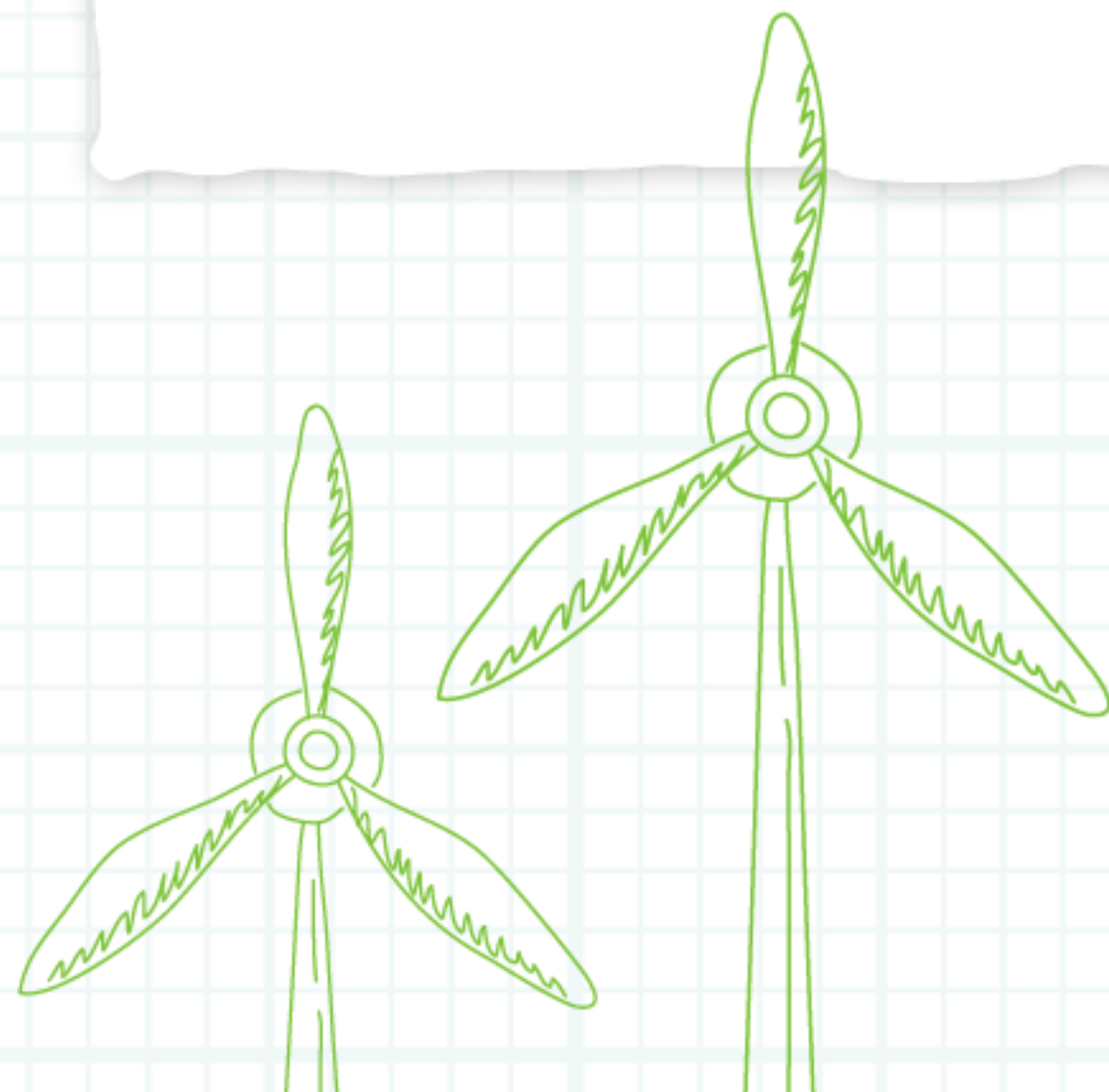


If you were in charge of the country, what would YOU do to help solve climate change and look after the planet?

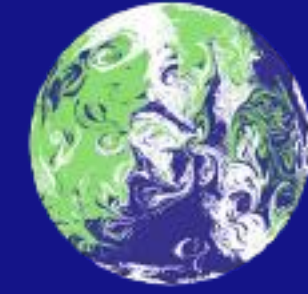
What would you do?



What is National Grid?



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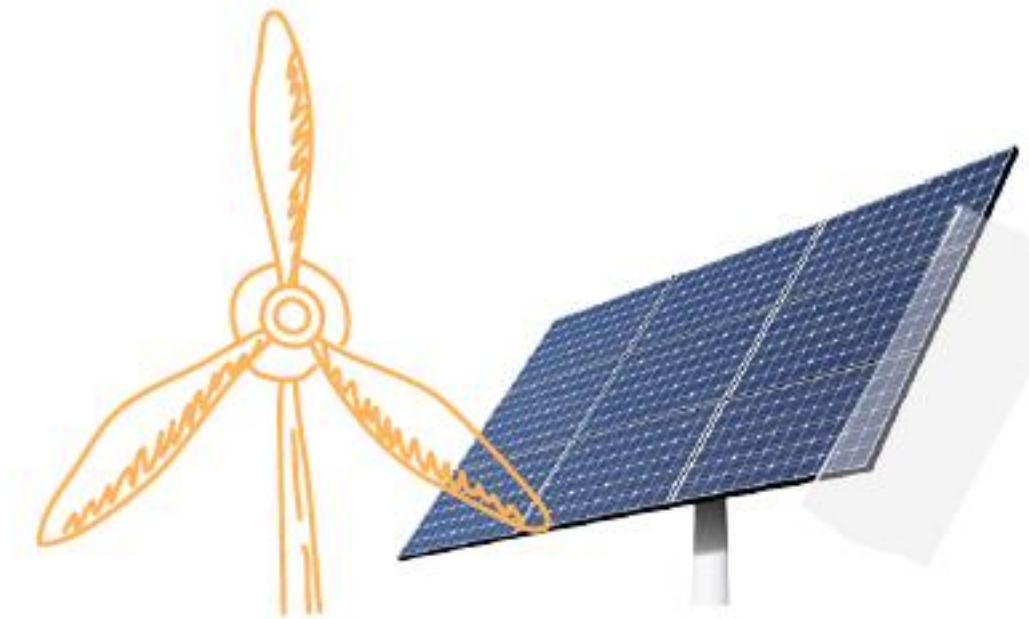
Ever wondered...



**Who sends
electricity to the
lights in your room?**



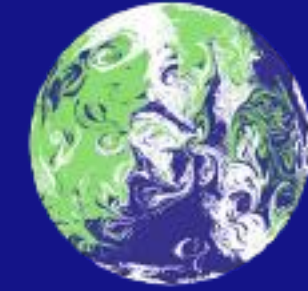
**Where the gas
comes from to
heat your home?**



**How wind and solar
power are used?**



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Did you know?



Did you know...

4,481 MILES

of overhead
electricity lines



THAT'S THE SAME
DISTANCE FROM
CARDIFF TO CUBA!



1,391 MILES

of underground
electricity cables



THAT'S THE SAME
DISTANCE FROM **LONDON**
TO NAPLES, ITALY

4,740 MILES

of gas pipes



THAT'S THE SAME
DISTANCE FROM
MANCHESTER TO TEXAS



1,430 KM

of sub-sea cables,
importing enough
energy to power 8M
homes (by 2024)



THAT'S THE SAME
DISTANCE FROM
BIRMINGHAM TO
MOROCCO

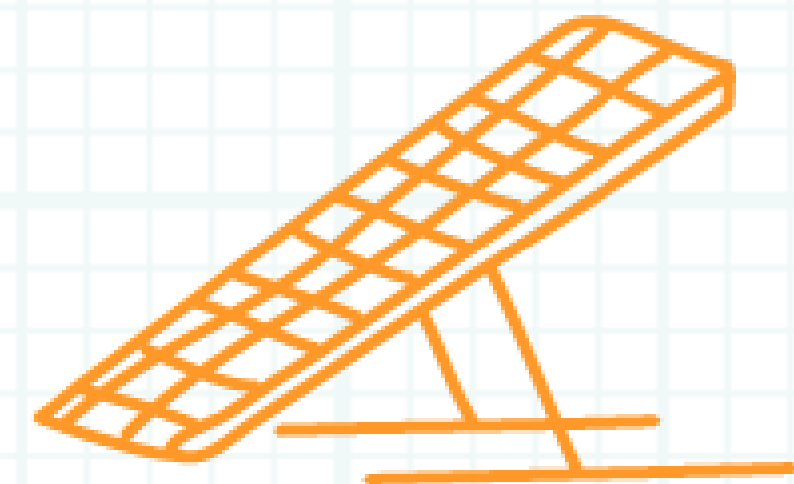
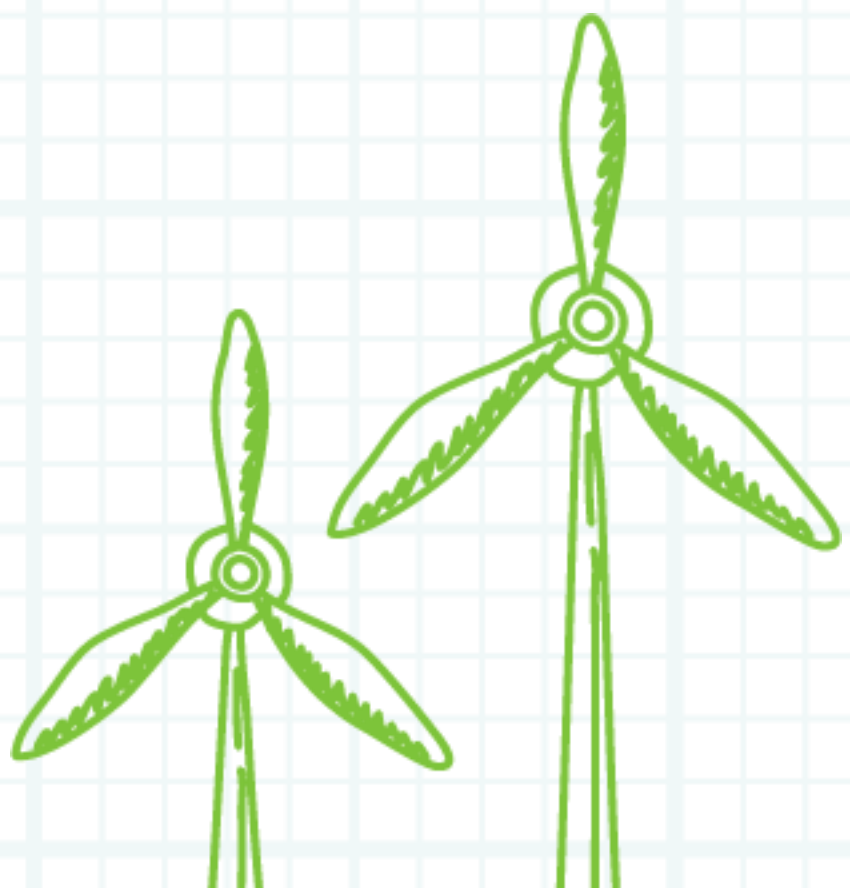
THE SYSTEM OPERATOR
MOVES OVER **730GWh** OF
HIGH VOLTAGE ELECTRICITY
AROUND THE COUNTRY.

THAT'S ENOUGH TO
POWER **146 BILLION**
LIGHT BULBS!





What is energy?



Where does the energy we use come from?



Power stations
(burning oil, gas, coal)



Nuclear power
(chemical reaction)



Hydro power
(water)



Solar power
(sun)

Biomass
(wood, plants, food waste)



Wind power



What are greenhouse gases?



Greenhouse gases are all around us

- Lots of things we do every day create them.
- They trap heat in our atmosphere, like a greenhouse.
- They stop our planet getting too cold, so we need a certain amount of them.
- But too much of them will make our planet get too warm.

What is climate change?



Climate change is in the news a lot, because it's happening right now.

You'll have seen how it affects penguins, polar bears and melting ice caps.

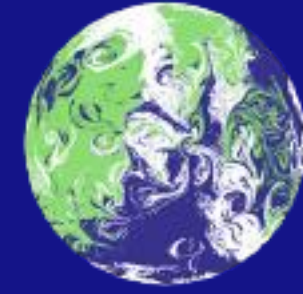
But it's about much more than that...



CLIMATE CHANGE
AFFECTS ALL OF US



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What does climate change mean for us?

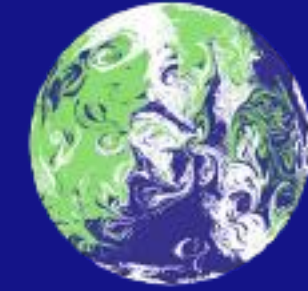


Have you seen climate change happening?



Hands up!

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**What's
happening
around the
world?**



The whole world needs to act fast to tackle climate change

Climate change is affecting every country on every continent. It's upsetting their economies and people's lives.

The weather is changing, becoming wetter, windier and warmer, and sea levels are rising.



Covid-19 slowed down climate change a little, but it's only temporary. We haven't pressed 'pause' on climate change.

SAVE
OUR
PLANET

GO
GREEN

The whole world needs to act fast to tackle climate change

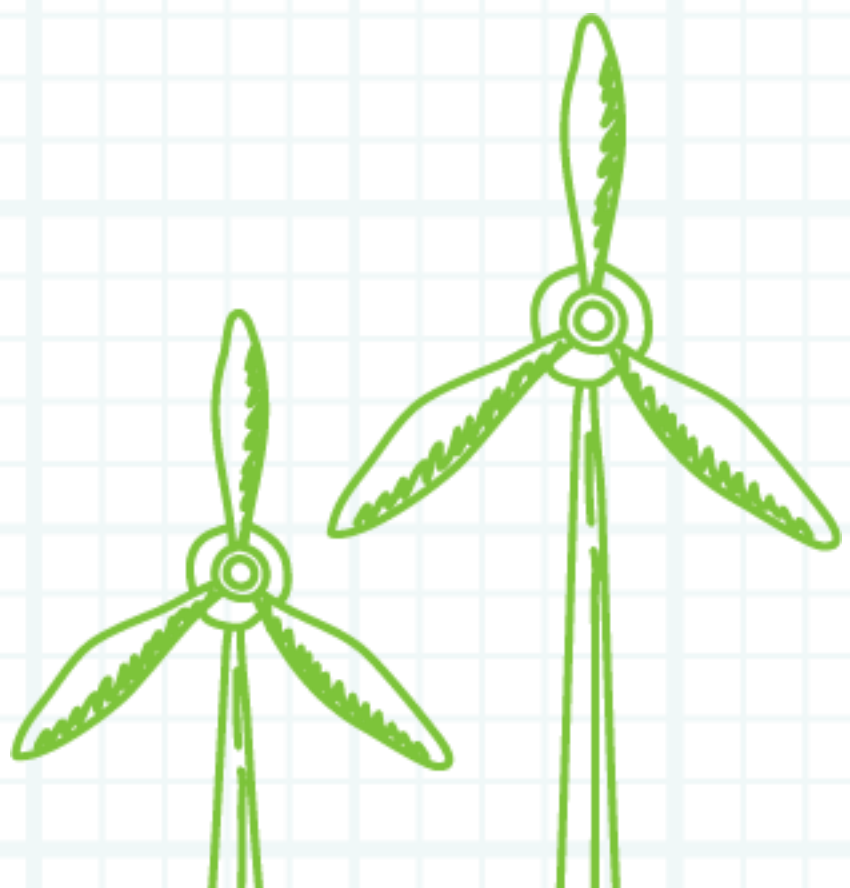


People everywhere are starting to take steps to make sure we leave the planet in better shape.

World leaders are also making commitments to control the rise in global temperatures.



Why 1.5°C?



Getting to net zero

Net zero is when the amount of greenhouse gases a company adds to the atmosphere is no more than the amount it takes away.

Think about it like this...

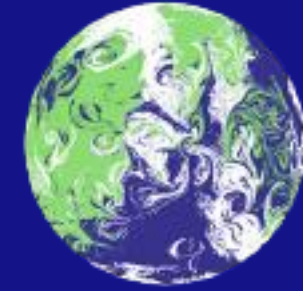
Climate change is like a bath filling up with water – we must not let it overflow.

Slowing down the water helps, but it will still splash over the sides.

The only way to stop it is to turn off the tap, and pull out the plug.



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What can we do to tackle climate change?



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What is a 'carbon footprint'?

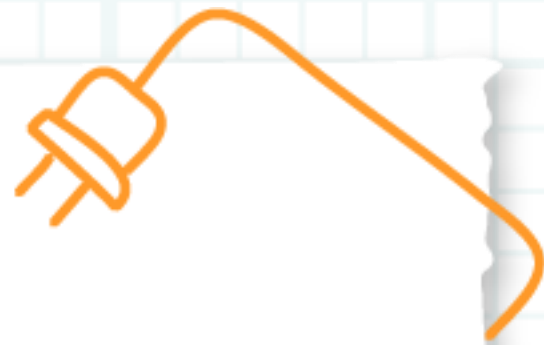
Your carbon footprint is the amount of greenhouse gases your day-to-day activities release into the atmosphere.

You can use the [WWF calculator](#) to work out your carbon footprint.



Things you can do right now!

Unplug!



Walk, ride or scoot to school instead of going in the car.



Turn off lights, TVs and computers when you're not using them.



Switch to energy-saving bulbs in your home.

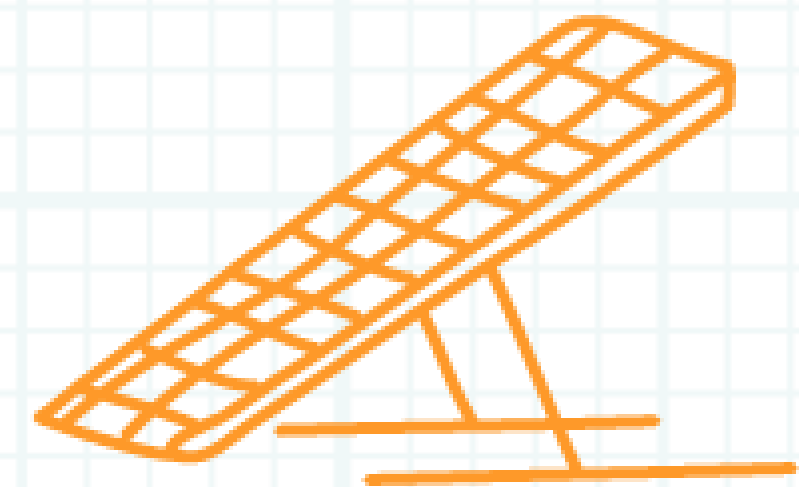
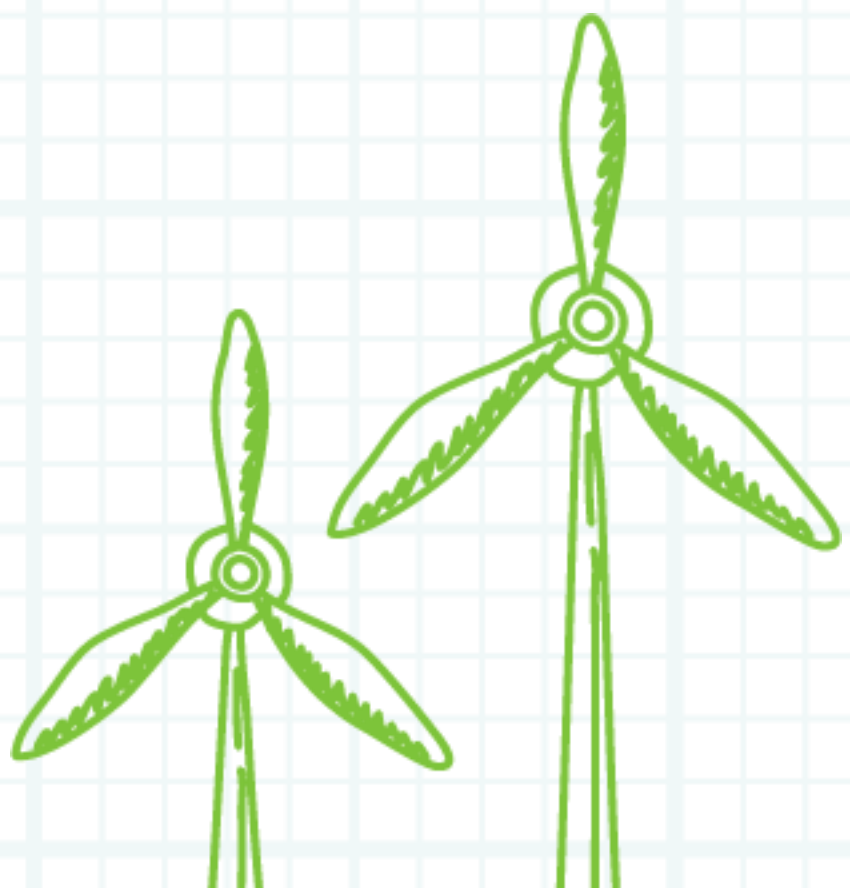


Think about what's in your garden – maybe plant a tree, or even try growing your own fruit and vegetables.





What is COP26?



**COP26 takes place:
1 – 12 November 2021**

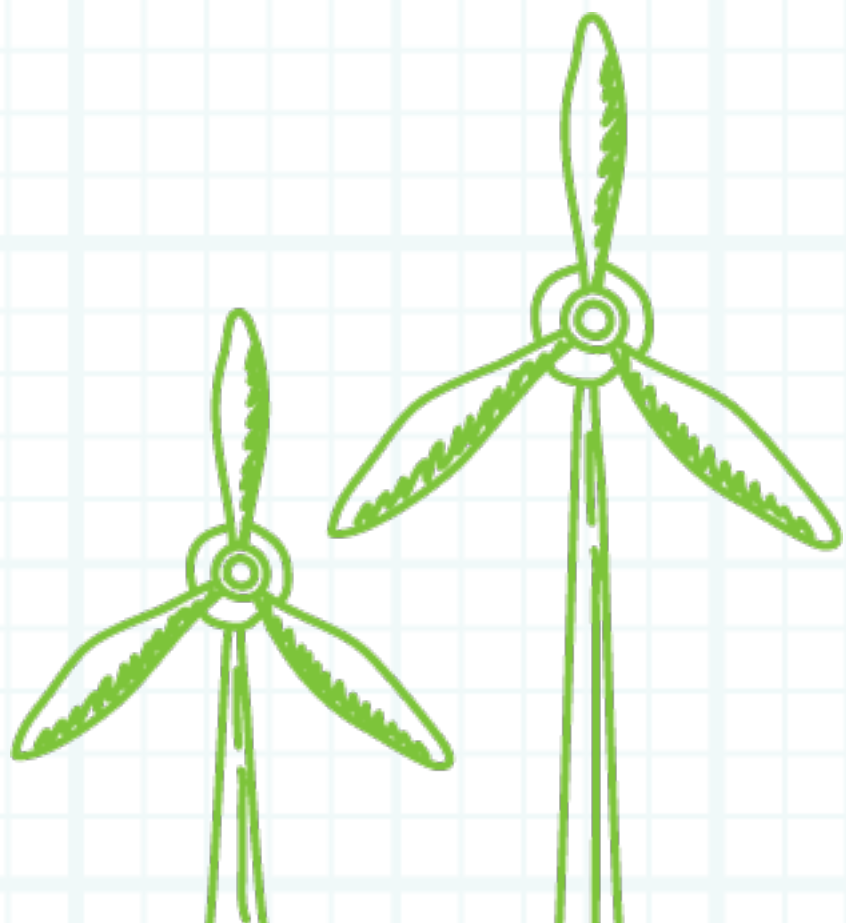
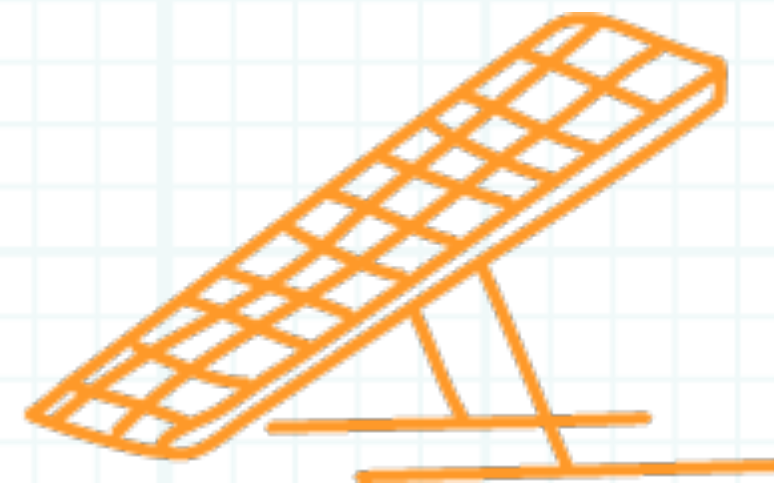
**At COP 2015 in Paris the parties adopted
an international climate change treaty that
agreed to limit global warming to well
below 2 degrees each year**

**World leaders are meeting this year to
assess the progress made so far and
agree a process going forward**

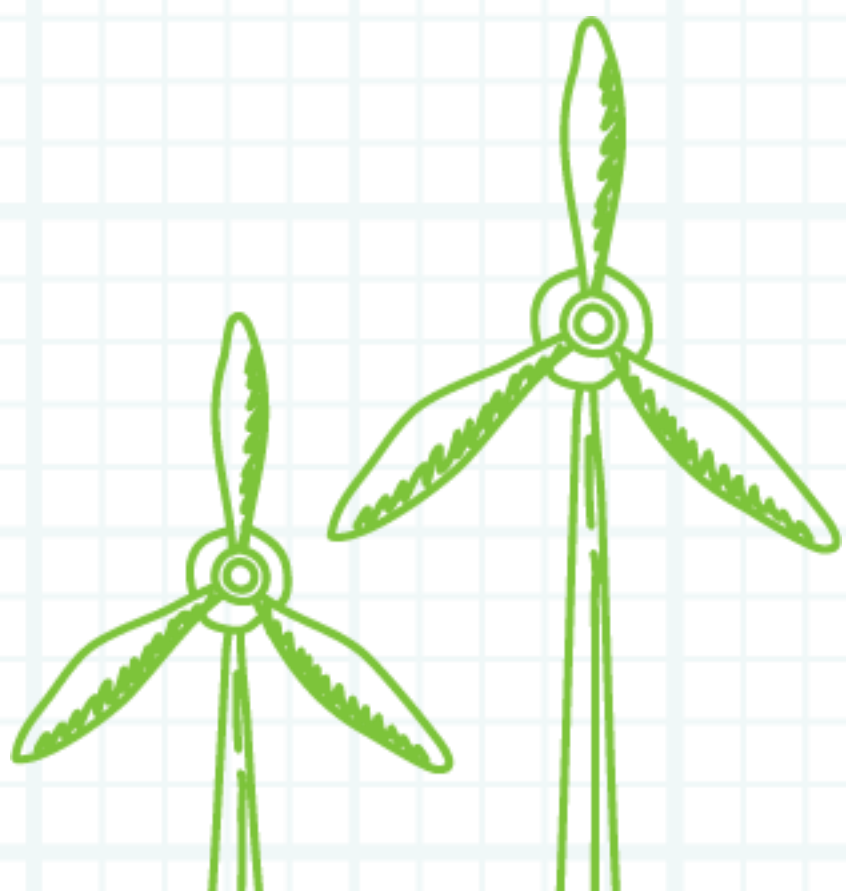
**30,000 people are
expected to attend**

**COP26 is a huge event where leaders,
scientists and experts from around the
world all meet to agree how to take
action to fight climate change**

**Note to teachers – add your
resources from the teacher guide
for further information on COP26**



Voices for a Green Future...



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Remember our earlier question?

If you were in charge of the country, what would **YOU** do to help solve climate change and look after the planet?

IDEA?!



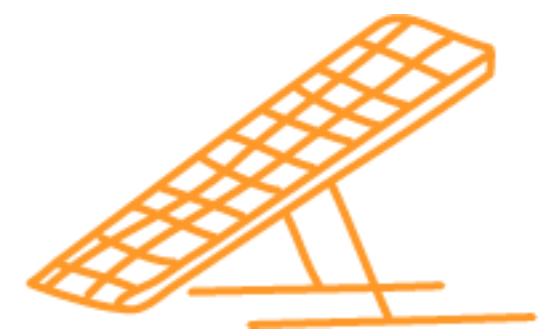
Getting to net zero



How can we create the right balance?

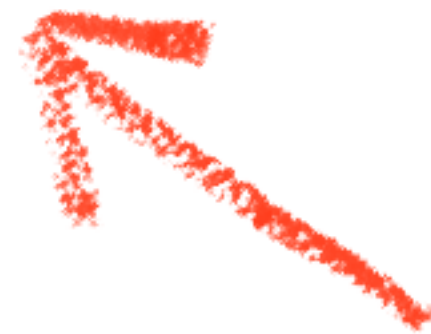
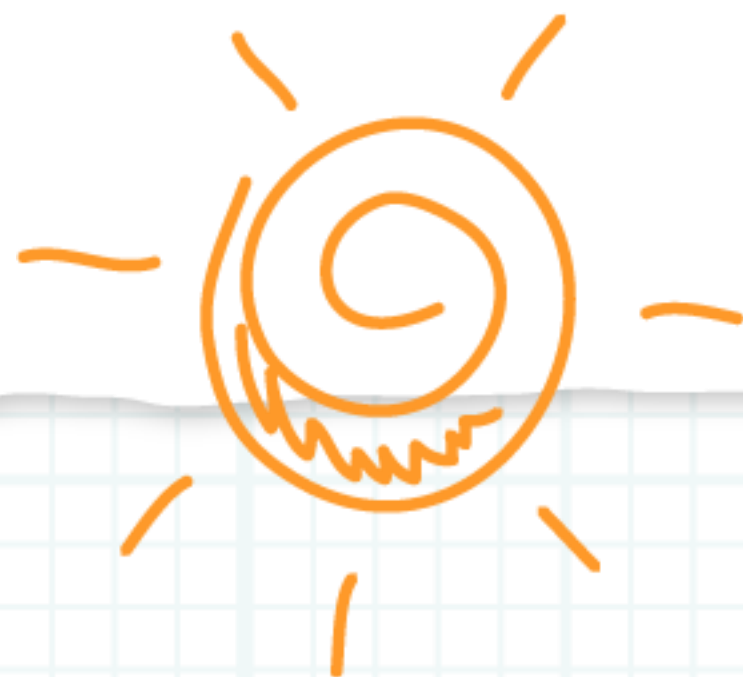
Where do we need to take away or remove things?

Can we tip the balance?



What will your 200 words say?

- What's your **original idea**?
- How is it **different**?
- How will it **inspire people to change**?



Enter the competition

Every voice matters in the fight against climate change, but it's young people like you who will be most affected by the decisions and actions we all take today.

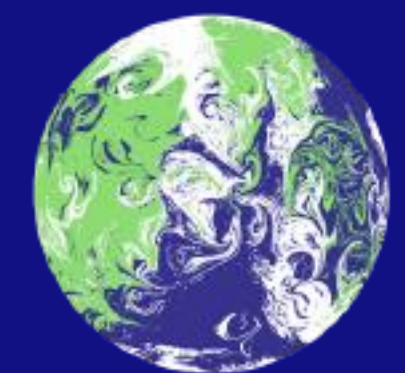
You could win a grant for the school and whole heap of prizes for yourself!



IDEA?!



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