



Welcome to your Discovery Box

Here you will find an array of exciting activities and fun facts to prepare you for your next unit of study.

Inside this Discovery Box you will find:

- fun facts and information
- craft activities
- puzzles and games

We hope you find these activities engaging and entertaining but most of all that they make you **curious** to learn more.

Can you solve this wordsearch?

C	S	U	S	T	A	I	N	A	B	L	E	V	O	U	Q	U	J	Q
W	T	T	A	H	B	P	O	U	T	F	M	V	Z	S	P	L	L	P
F	F	Z	C	F	L	B	N	U	S	F	M	W	N	H	I	P	X	N
A	S	X	J	S	E	J	E	N	A	T	U	R	A	L	N	K	Q	C
I	L	N	Q	U	E	P	C	T	W	R	N	G	X	L	G	O	U	E
N	M	O	W	O	O	T	B	O	S	A	Y	Y	Z	T	T	N	O	N
Q	U	N	R	N	V	F	F	O	F	D	D	N	E	E	L	A	M	E
R	D	R	K	X	Q	R	M	Q	A	E	E	K	L	M	K	T	H	R
T	T	E	X	P	O	R	T	C	I	M	M	W	F	F	H	P	V	G
V	K	N	A	T	M	G	S	R	R	I	F	P	A	B	L	E	I	Y
I	I	E	T	L	H	Y	K	Z	T	C	F	D	O	U	J	S	W	A
N	R	W	X	F	C	S	D	L	R	E	Z	Q	U	C	U	U	G	P
G	H	A	S	E	E	W	N	L	A	N	D	F	I	L	L	S	L	Z
O	H	B	G	E	U	T	M	V	D	O	C	B	M	I	I	T	T	G
P	M	L	L	J	C	T	T	Z	E	N	A	T	P	X	M	A	I	N
H	T	E	P	W	X	Q	J	A	H	P	W	T	O	D	K	D	O	V
Z	T	X	I	T	Z	U	K	B	N	A	L	X	R	S	U	S	X	F
U	V	L	I	N	G	E	L	L	O	C	R	S	T	E	R	Z	F	F
K	M	Q	U	C	Y	O	R	E	N	E	W	A	B	L	E	V	M	W

FAIRTRADE

RENEWABLE

NON RENEWABLE

NATURAL

SUSTAINABLE

LANDFILL

ENERGY

TRADE

IMPORT

EXPORT



World's biggest traders







Humans need natural resources to survive. Natural resources are raw materials that are found in the environment. The UK has lots of natural resources, including fossil fuels (such as natural gas, oil, and coal) to produce energy, crops, and livestock.

The countries that trade the most natural resources are Russia, USA, Saudi Arabia, Canada, Iran, and China.

Research each country and find:

1. It's national flag
2. What natural resource(s) it trades.

Draw and colour in the flag below each country's name and then add their natural resources!

<p>Russia</p>  <hr/> <hr/> <hr/>	<p>USA</p>  <hr/> <hr/> <hr/>	<p>Saudia Arabia</p>  <hr/> <hr/> <hr/>
<p>Canada</p>  <hr/> <hr/> <hr/>	<p>Iran</p>  <hr/> <hr/> <hr/>	<p>China</p>  <hr/> <hr/> <hr/>

DiscoveryBox

Design your own Fairtrade logo

Fairtrade is about better prices, decent working conditions, local sustainability, and fair terms of trade for farmers and workers in the developing world.

The Fairtrade logo shows that all the ingredients that went into making that product have been produced according to the Fairtrade rules. The mark is used in over 50 countries! Can you spot it on any of your shopping?



This is the current Fairtrade logo:

What do you think it looks like?

Can you design your own logo for Fairtrade products?

Why did you design your logo like that? Write down a short response explaining your creation.

Vertical garden

Not all countries have even amounts of water access. In fact, 80 per cent of the planet's population have less water than they need.

Vertical gardens don't need as much water as other types.

Let's try one out!

You will need:

- Soil
- Seeds (any will do but try cress seeds for speedy results!)
- Recycled plastic bottle
- Scissors
- String
- Paper
- Paint and brush (optional)



Instructions

1. Cut the bottle in half—you will need the top half with the lid screwed on.
2. You can choose whether to paint the outside of your bottle or to leave it clear!
3. Add paper to the bottom of the bottle.
4. Poke holes in two sides of the bottle (with adult supervision), and thread your string through to hang!
5. Add soil and plant your seeds.
6. Water as often as your seed packet tells you to!

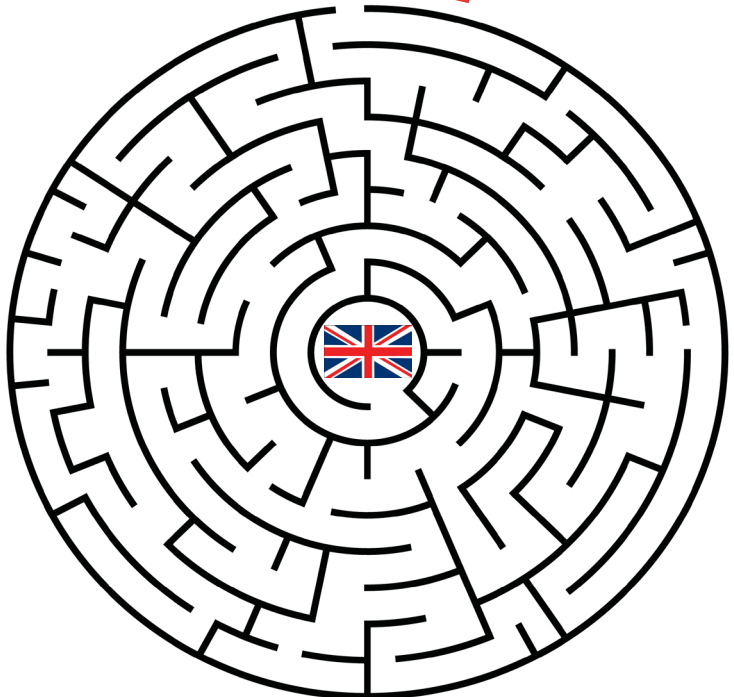
Strawberry maze!

In 2020, the UK supplied just over half of the food consumed in the UK. The EU supplied the largest import of food to the UK. Africa, Asia, North and South America each provided smaller percentages of the food consumed in the UK.

Foods such as strawberries mostly come from Spain and grapes are often from Egypt!

Have a look at food labels when you next go shopping. What country has that food product come from?

Using the maze, can you draw a line that gets the strawberry from Spain to the United Kingdom?



Design an eco-home

An eco-home is an environmentally friendly house! They are deliberately designed and built to use sustainable resources, such as solar panels.

Design your own eco-home including these features:

- solar panels
- wind turbine
- greenhouse
- electric car charger.



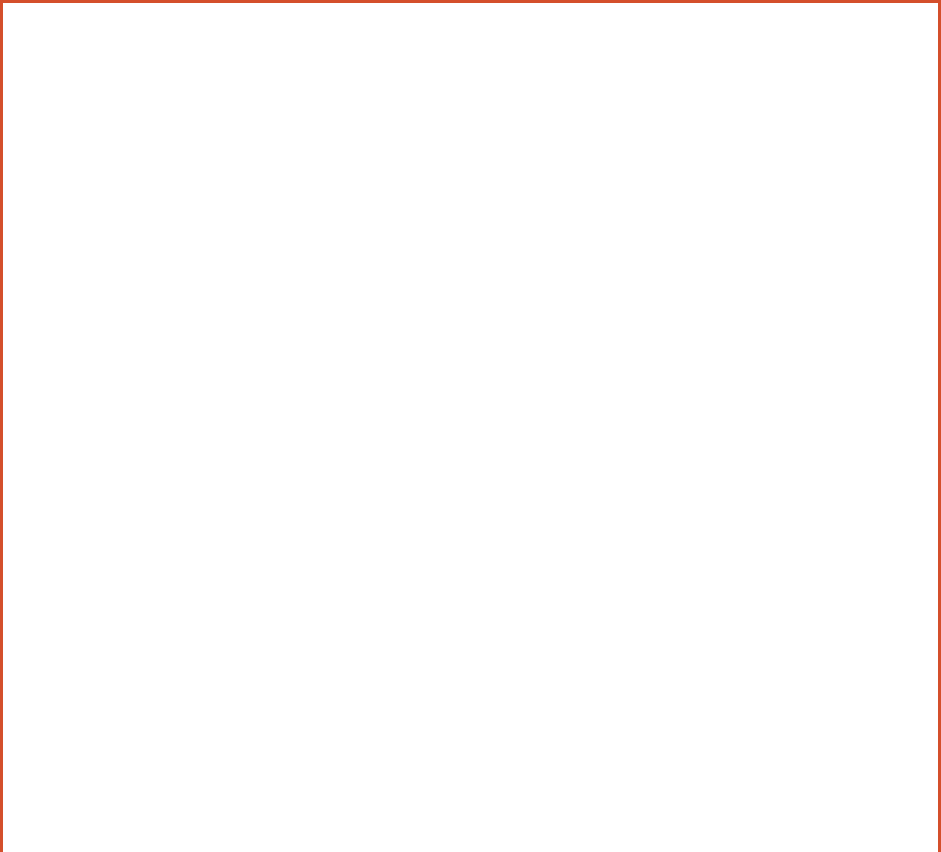
Invent a renewable resources superhero!

Pick one of the renewable resources and create a character with those superpowers to help save the planet.

Solar power, hydropower, wind power!

You might want to think about:

- what they wear
- what they are called
- how they use their powers.



Create a comic strip!

Using the superhero you created, write a comic strip story about how they save Planet Earth from destruction.

saves Planet Earth