



British Glass



Glass Guardians

in partnership with Friends of Glass

Learning objective:

**To know the importance
and impact of recycling glass**





British Glass



What do we mean by **recycle?**

Put your hand up if...

You have a
recycling bin
at home

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Put your hand up if...



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Someone collects your recycling
from your home



Put your hand up if...

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Someone at home
takes your recycling
to a recycling bank



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What sort of things do you put into your recycling bin?

These should be materials which can be recycled.



These materials can all be recycled!

What are these items used for?

Cardboard



Plastic



Glass



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What would happen if these weren't in packaging?



We need packaging for our food and drink because...

- it keeps them clean
- they can be transported easily
- it stops them getting damaged



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Packaging is made from lots of different natural resources:

Which packaging causes the most harm to the environment? WHY?



Cardboard is made from trees.



Plastic is made from oil.



Glass is made from sand, limestone and soda ash.

How does making packaging affect the planet we live on?

When we use natural materials, such as **sand** to make glass packaging, it uses **lots of energy**.

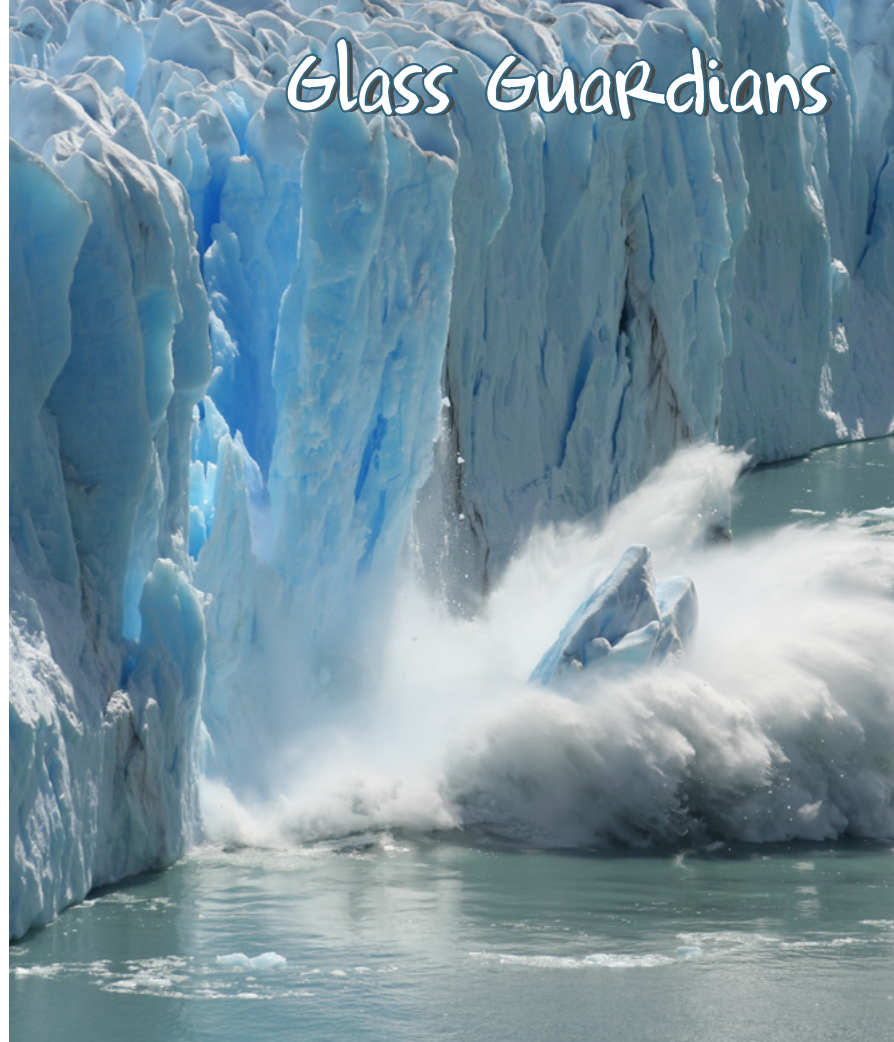
This energy gives off a dangerous gas called **CO₂**.

You can't see it, or even smell it.

But it is **making our planet become warmer**, which is worrying for plants, animals and oceans.

We also **can't replace all these natural materials**, so we're using up lots of the world's sand, rocks and trees to make new packaging.

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What happens to packaging that we don't recycle?

It goes to **landfill**.

Landfills are big holes in the ground which get filled with rubbish.

They are **expensive to look after** and can **smell really bad!**

We still need packaging – so what could we do instead of putting our packaging into the bin?

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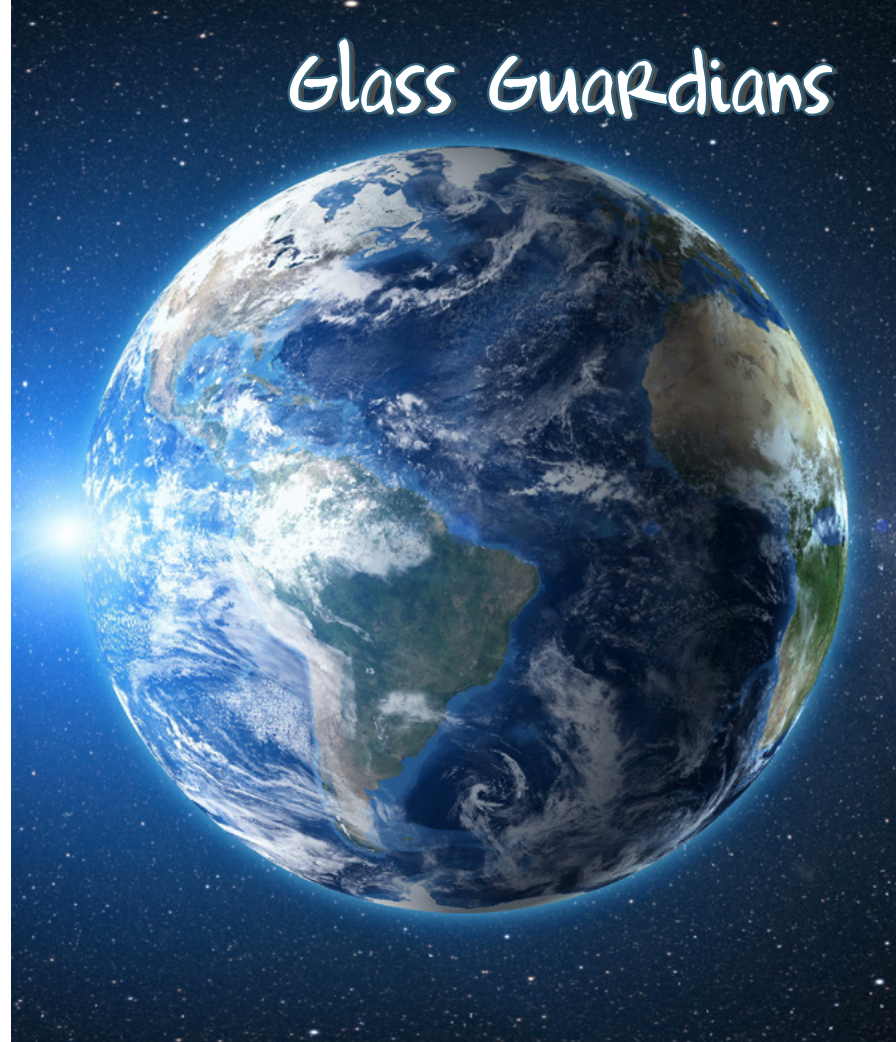


So what can human beings do to help the planet?

People who use their amazing powers of knowledge to make the world a better place are everyday superheroes! We call these people **GLASS GUARDIANS**.

You will be completing four fun missions with your teacher so that you can become a **GLASS GUARDIAN** and save the planet!

Glass Guardians



Recycling needs a hero to lend a helping hand!

Your challenge is to **create your very own Glass Guardians Superhero** to champion the cause of glass recycling.

You'll need to decide on their name, their power, and how they will go about saving the world – one piece of glass at a time!

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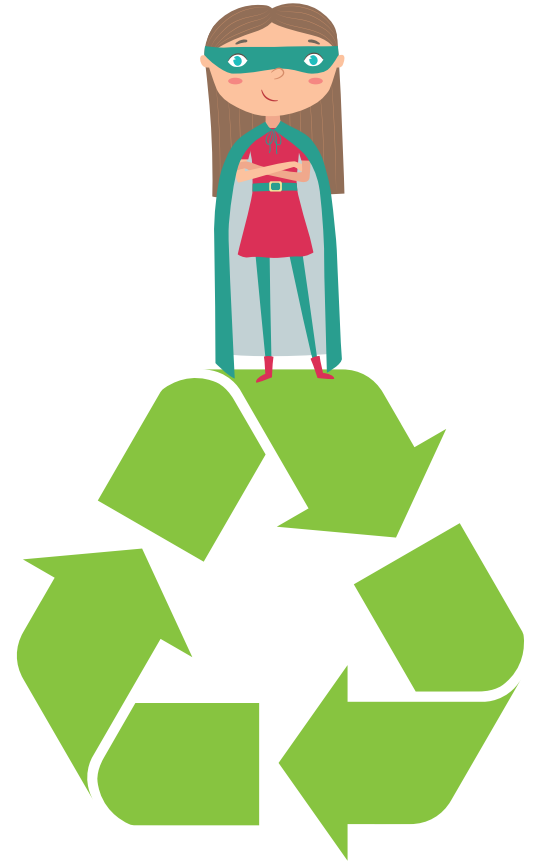


recycle!

How can we recycle?

Why is recycling good?

- It uses less of our natural resources
- It costs less to recycle than to send our rubbish to landfill
- It's better for our environment



Did you know?

Some materials, such as glass, can be recycled over and over again!



How is glass recycled?

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Design a superhero!

Your mission is to create your own Glass Guardian Superhero who will use their powers to save the planet by recycling even more!

All you need to do is:

- come up with a name for your Glass Guardians superhero
- draw them and label their costume made from recyclable materials
- explain how your superhero will help to save the planet

