



# Knowledge Organiser - Recycling Robots - Class 2



## BIG Idea

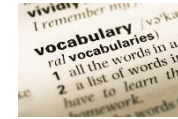
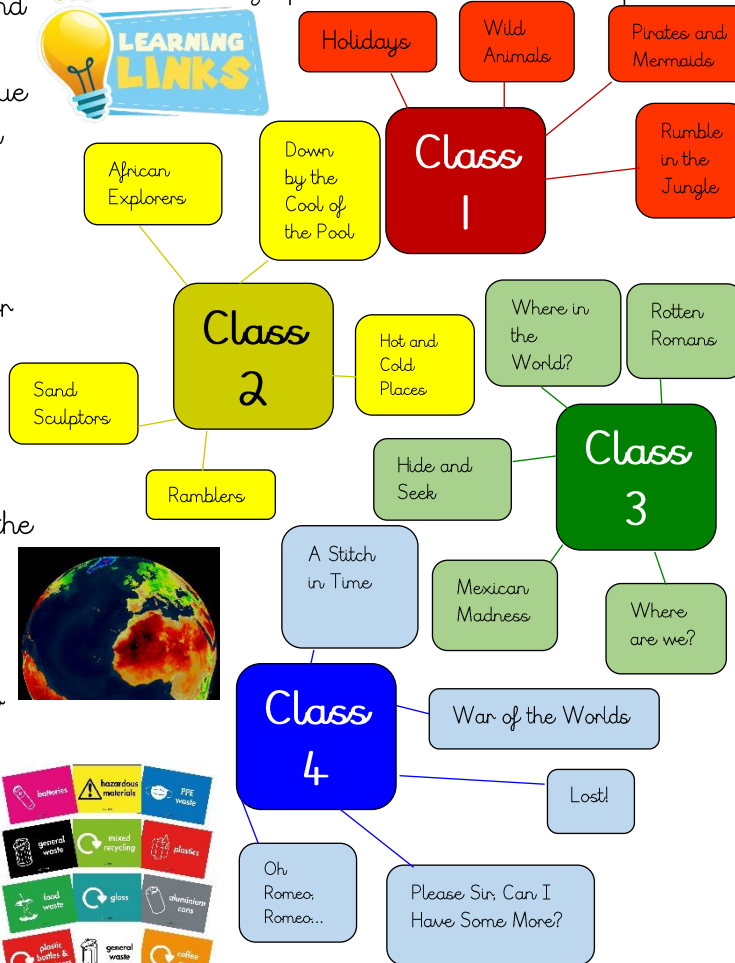
Recycling is a HUGE global issue that many countries around the world are trying to get better at. Simply sorting our rubbish out can help reduce the amount of waste that goes to landfill sites and will hopefully help stop the climate warming up too much. How can we help?

## Sticky Knowledge

- ✓ Biodegradable materials, such as food waste, plant waste, paper and cardboard can be broken down naturally.
- ✓ Non-biodegradable materials, such as plastic, glass and batteries, cannot be broken down naturally.
- ✓ If we do not try to recycle more, the Earth will continue to get warmer, increasing the temperature of the Earth and melting more ice in the Polar Regions.
- ✓ It can take about 20 years for a plastic bag to biodegrade naturally.
- ✓ It can take around 450 years (or sometimes never) for a plastic bottle to biodegrade.
- ✓ Food waste can biodegrade from 5 days to 1 month.
- ✓ Paper takes 2-5 months to biodegrade.
- ✓ Many food companies are trying to create biodegradable products for their packaging to reduce the amount of waste that goes to landfill.
- ✓ There are about 500 landfill sites in the UK.
- ✓ Over the last 100 years, the Earth's temperature has risen by 1°C - this doesn't seem much, but it has led to rainfall patterns changing, sea levels rising, increased risk of heatwaves, floods, droughts and fires.



recyclinglives



## Vocabulary

- Recycle**- collecting and processing materials to reuse them again.
- Environment**- an area where people and animals live.
- Bin**- a box that can contain waste/rubbish.
- Cans**- a metal cylinder that contains a liquid.
- Earth**- the third planet in our solar system.
- Planet**- a large, round sphere made up of solids, liquids and gases.
- Biodegradable**- an item that will naturally break down over time if buried underground.
- Non-biodegradable**- an item that will not break down at all.
- Global Warming**- the Earth's surface slowly heating up.
- Ecosystem**- a place where organisms live.
- Compost**- a mixture of broken down materials, often used to help plants grow.
- Material/s**- the matter that an object is made from.
- Skip**- a large container used to get rid of unwanted objects.
- Waste**- objects/materials that are no longer needed.
- Tip**- a place where objects can be taken to be recycled.
- Landfill**- a place where materials are buried underground.

