



Geography Knowledge Organiser	Year 6	Sustainability
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Key question:

How can our school reduce its plastic waste?

Summary – what is sustainability?

We will learn about plastic and its origins. We will explore the uses of plastic and the problems it can create. We will explore ways of reducing plastic waste at home, at school and in general. We will conduct fieldwork on school grounds to observe, measure and record how effective our school is at reducing plastic waste and to implement new ideas to improve. We will then present and evaluate the data gathered using a range of methods, including sketch maps, graphs, and digital technologies.

Key Vocabulary

Biodegradable: something that can be decomposed by bacteria or other living things

Carbon Emissions: the carbon dioxide that planes, cars, factories and other things produce, thought to be harmful to the environment

Durability: a property of material meaning it can last a long time without being damaged

Fossil Fuel: a carbon compound material such as coal, oil and natural gas

Incinerated: destroy waste material by burning

Microplastics: tiny pieces of plastic that are less than 5 millimetres across

Raw Materials: materials that are in their natural state before they are processed or used in manufacturing

Refinery: a production place that breaks down certain materials and makes raw materials into products of value

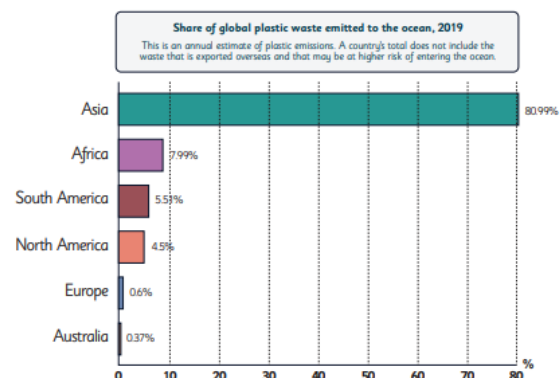
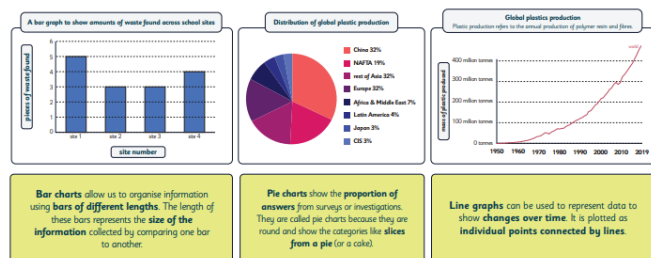
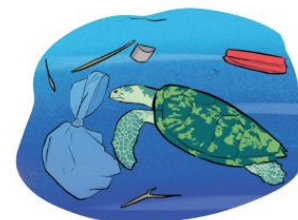
Synthetic: products that are made from chemicals or artificial substances rather than from natural ones

Key Questions

- What is plastic waste?
- What can our school do to reduce plastic waste?
- How can we plan and carry out effective ways to reduce plastic waste in school?
- How can we record and evaluate the effectiveness of reducing plastic waste in school?

Previous Knowledge

- Using fieldwork and observational skills to study the geography of our school and the surrounding grounds
- Physical and Human Geography.



In geography we are...

- Exploring the physical features of the Earth's surface.
- Studying different places and the relationship between people and their environments.
- Developing map and fieldwork skills to make observations, measurements and recordings.