

# Knowledge Organiser: Can One Person Make A Difference?



## GEOGRAPHY:

Know where to find the Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)

## Science:

**Materials** – compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal)

**Changes of state** – Reversible and Irreversible – effects of pollution.

**All Living Things** - Recognise that environments can change and that this can sometimes pose dangers to living things.



**Greta Thunberg** is a Swedish environmental activist who is internationally known for challenging world leaders to tackle climate change.



**Sir David Frederick Attenborough** is an English broadcaster and natural historian. He is best known for writing and presenting



**Boyan Slat** came up with an idea that would help remove plastics and other pollution from the oceans when he was just 17.

## ART:

The **Inuit** through their artistic work, which include carvings/sculptures express their culture and the natural beauty of the Arctic. Inuit Art depicts the animals of the arctic or figures that represent Inuit folklore, mythology and religion which took the form of nature worship..



## UNICEF Conventional Rights of a Child:

**Article 12:** You have the right to give your opinion and for adults to take it seriously.

**Article 29:** You have the right to an education which helps you learn to live peacefully, protect the environment and respect other people.

## Why Is Plastic Used?

Plastic bags were invented to save the planet, according to the son of Swedish engineer Sten Gustaf Thulin who created them in 1959. The bags were developed as an alternative to paper bags, which were considered bad for the environment because they resulted in forests being chopped down.

Plastic is lightweight, strong and mouldable, which makes it an ideal packaging material.

The world is being severely impacted by the amount of plastic we throw away each year. We need to be the generation to stop this and provide a better future for generations to come!

Why are we learning this? In year 4 and 5, we need to know:

- ☑ That some changes are not reversible, including changes associated with burning.
- ☑ These changes have an impact on our lives and the future of our planet.
- ☑ We need to understand that we are the next generation and we should be doing all that we can to protect our beautiful planet from harm.
- ☑ We need to understand why recycling and reusing is so important in today's society.

## Vocabulary

<b>Pollution</b>	<b>Pollution</b> is when something is added to the environment that is harmful or poisonous to living things.
<b>Plastic</b>	A type of material used in many different ways.
<b>Properties</b>	Something which can be observed or measured without changing the composition of the material.
<b>Reversible</b>	A physical change that can be undone.
<b>Irreversible</b>	A physical change that cannot be undone.
<b>Carbon Neutral</b>	When you are " <b>carbon neutral</b> ," your <b>carbon footprint</b> is zero. You are not creating pollution.
<b>Micro-plastic</b>	Extremely small pieces of plastic debris in the environment.
<b>Campaign</b>	A <b>campaign</b> is a planned set of activities that people carry out over a period, to achieve something.
<b>Environment</b>	The natural world, as a whole or in a particular geographical area, especially as affected by human activity.

RE:

**Who inspires us?**

**People and beliefs can inspire us to live better lives.**

**What is best for our world?**

**Our beliefs affect our decision making.**

**FEELING CURIOUS?**

<https://www.nationalgeographic.com/environment/article/plastic-pollution>

**BOOKS: 'Island' by Mark Janssen and 'Kensuke's Kingdom' by Michael Morpurgo**

## Plastics in the Ocean Timeline

**1907**

Leo Hendrik invents the first plastic material.

**30 years**

For a 'disposable' coffee cup to break down

**200 years**

For a plastic straw to break down

**500 years**

For 'disposable' nappies to break down.

