Navigators - Global Warning

What **I S**hould **K**now

Dimensions
CURRICULUM

C Global Warning
Thinking Big

Tackling Global Waste and Pollution

Navigators

Overview

"Global Warning" is a thematic unit, which is geography-focused with sustainability and eco literacy at its heart. This project-based theme involves you applying your learning about the global environmental issues of waste and pollution by creating a board game, which is both educational and fun. You will work in groups to research, design and produce your board game, after which you will present and demonstrate it to the class.

Types of Pollution and its Effects

Pollution is something introduced into the environment that is dirty, unclean or has a harmful effect. Toxic waste dumped into the water is an example of pollution.
Water Pollution is when waste, chemicals or other particles cause a body of water to become harmful to living things. One example of this are **nurdles**, the tiny plastic pellets used to make plastic. They end up in the sea where they are eaten by fish and animals, often killing them.
Air Pollution is when unwanted chemicals and gases enter the air, causing harm to living things and the earth itself. Air pollution is mainly caused by man-made things such as factories, cars, aeroplanes and chemicals.

Sustainability

Sustainability is the ability to use resources without running out and without damaging or degrading the environment. Our actions have a deep impact on the environment and we need to protect it for the future generations. Plastic is an example of a product that is not sustainable.
Can you name some resources that are not sustainable?

Recycling

Recycling is the process of turning used waste and materials into new products, preventing potentially useful materials from being wasted, as well as reducing energy and pollution.
The benefits of recycling is it saves money, reduces pollution, saves energy, creates jobs and reduces waste.
Materials that are recycled are cardboard, newspapers, plastic, glass and aluminium.

(insert recycling image)

How can we help?

- Turn lights off when you leave a room
- Set up recycling bins
- Reuse as much as you can
- Turn the water off when you are brushng your teeth
- Turn computers off when they are not in use

Can you think of other ways?

Vocabulary

Air Pollution	when unwanted chemicals and gases enter the air and causes harm to living things
Biodegradable	a substance or an object capable of being decomposed by bacteria or other living organisms and, thereby, avoiding pollution
Cultivation	growing crops on land
Gyre	a circular pattern of ocean currents
Nurdles	a type of tiny plastic pellet that is used in the production of plastic
Pollutants	harmful substances that causes pollution
Recycle	collect a waste product and re-process it so that it can be used again
Sustainability	the quality of not being harmful to the environment or using up natural resources
Water Pollution	when waste products get into water and become harmful to living things
Waste	a material that has been thrown away

Concept Flow

- To understand the meaning of the term 'pollution'
- To learn about water pollution and its effects on the environment
- To learn about air pollution and its effects on the environment
- To understand the link between waste and pollution

My Notes / Questions