



Year 4 - Summer 1 (1st half)

Title of topic: Sustainable World

Topic Focus: Antarctica and underwater worlds.

This is the knowledge organiser for our topic. It includes all the learning outcomes, key facts and vocabulary. Please share this with your child to help them develop their knowledge and understanding of our topic.

Where is Antarctica? Antarctica is located at the southernmost point on the globe. It experiences extreme blizzards and snowstorms, has many mountain ranges and even an active volcano.



Who lives in antarctica?

Nobody permanently. However tourists and researchers do visit.



Ernest Shackleton.

An explorer who wanted to be the first man to reach the South Pole in Antarctica. He never made it there but is famous for bringing 28 men back to the UK alive after his expedition to Antarctica went wrong and his boat sank.



Human impact on the world

Humans can cause environments to change in both positive and negative ways. Plastic pollution is one of the ways in which we are harming the environment. Over time, plastic can be broken into smaller and smaller pieces. These tiny particles of plastic, known as microplastics, are eaten by fish and other sea creatures. These are then able to enter

Key vocabulary:

- adapt - become adjusted to new conditions.
- ocean - a very large expanse of sea.
- camouflage - hide or disguise.
- climate - weather found in a place over a long period of time.
- pollution - harmful substances released into the environment.
- microplastic - tiny fragments of plastic.
- classification - grouping together of similar species.
- conservation - protection of things found in nature.
- environment - everything around us, including air, land, plants
- exoskeleton - hard covering that protects the body of an animal.
- exploration - exploring an unfamiliar area.
- Lines of latitude - invisible horizontal lines mapped on our globe to show how far north or south a place is from the equator.
- Lines of longitude - invisible vertical lines mapped on our globe to show how far east or west are places from the prime meridian.
- Hemisphere - half of the earth.
- Climate zone - areas of the world group together that have similar climate.
- Compass points - north, east, south, west, northeast, southeast, southwest and northwest.
- Treaty - a formal, written agreement between two places.
- Ice shelf - a thin layer of ice extending off a glacier into the sea.
- Ice sheet - a layer of ice covering the land for a long period of time also known as a glacier.
- Drifting ice - thin, floating pieces of ice not attached to a glacier.
- Iceberg - large chunks of floating ice that break off a glacier.

Physical features of Antarctica

