



## POLAR PLACES

### Vocabulary

**Arctic:** the Arctic is the area around the northernmost part of the Earth.

**Antarctic:** the Antarctic is the area around the southernmost part of the Earth.

**carnivore:** an animal that eats mostly meat, e.g. spiders, frogs, owls, polar bears, seals, whales and wolves.

**flexible:** a material that bends easily without breaking.

**habitat:** the place where you will normally find an animal or plant living.

**herbivore:** an animal that eats only plants, e.g. butterflies, snails, caribou, cows, deer, elephants, guinea pigs, horses, pandas, reindeer.

**omnivore:** an animal that eats both meat and plants, e.g. wasps, magpies, bears, dolphins, hedgehogs, humans.

**organism:** any living thing.

**waterproof:** does not let water through.

**Key words:** adventurer / clothes / cold / explorer / freeze / frozen / ice / icebergs / North Pole / penguin / polar bear / sea lion / seal / snow / South Pole / warm / weather / whale

Did you know that polar bears have 42 teeth?

Humans have only 32 teeth.

What would happen if polar bears were red?

### We are learning to:













- Identify and name a variety of animals including fish, amphibians, reptiles, birds and mammals.
- Identify and name common animals that are carnivores, herbivores and omnivores.
- Describe and compare the structure of a variety of common animals.
- Describe the simple properties of a variety of everyday materials.
- Compare and group together a variety of everyday materials on the basis of their simple properties.

### WORKING SCIENTIFICALLY

- Ask simple questions and recognise that they can be answered in different ways.
- Perform simple tests.
- Identify and classify.
- Use their observations and ideas to suggest answers to questions.

### OVERVIEW

- In this topic, children plan an expedition to the polar regions, learning about properties of different materials, and a range of living things in the polar regions.

|            |   |   |
|------------|---|---|
| Insects    |  |  |
| Amphibians |  |  |
| Mammals    |  |  |
| Fish       |  |  |
| Reptiles   |  |  |
| Birds      |  |  |

### LET'S THINK LIKE SCIENTISTS

- What do you think it is like in the polar region?
- Would a glove that is absorbent be useful?
- How do we know what an animal likes to eat?

### PROPERTIES OF EVERYDAY MATERIALS

Smooth, bendy, not bendy, bumpy, absorbent, waterproof, opaque, and transparent.

Can you find out what any of these words mean?

Can you think of any materials that have these properties?

#### Carnivore - an organism that only eats animals (meat)



#### Herbivore - an organism that only eats plants.



#### Omnivore - an organism that eats plants and animals.





### Let's think like scientists

**How would you test gloves to find out which were best for a polar explorer to wear?**

**Think about it. What would you do?**






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