

# Science: Polar Places

## Subject Specific 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
waterproof	does not let water through
North Pole/ South Pole	the northern/ southern end of Earth's axis



## Key Skills

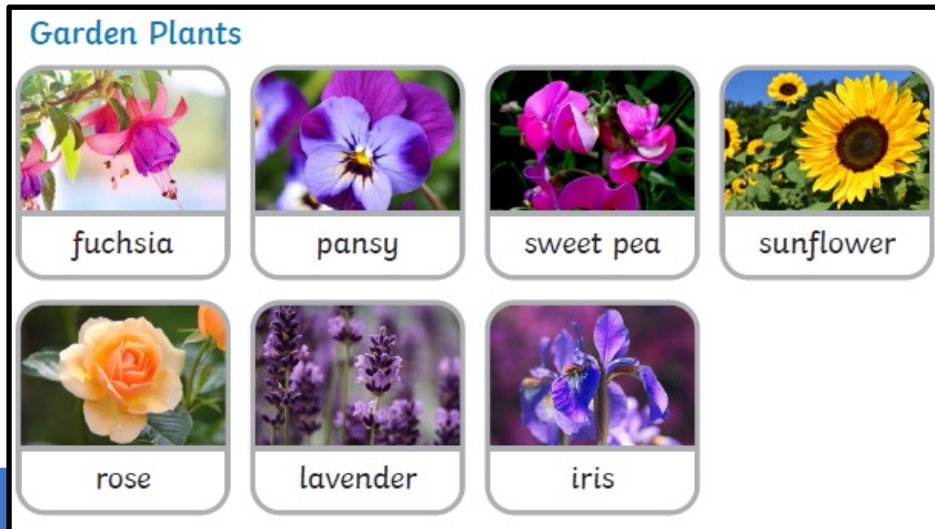
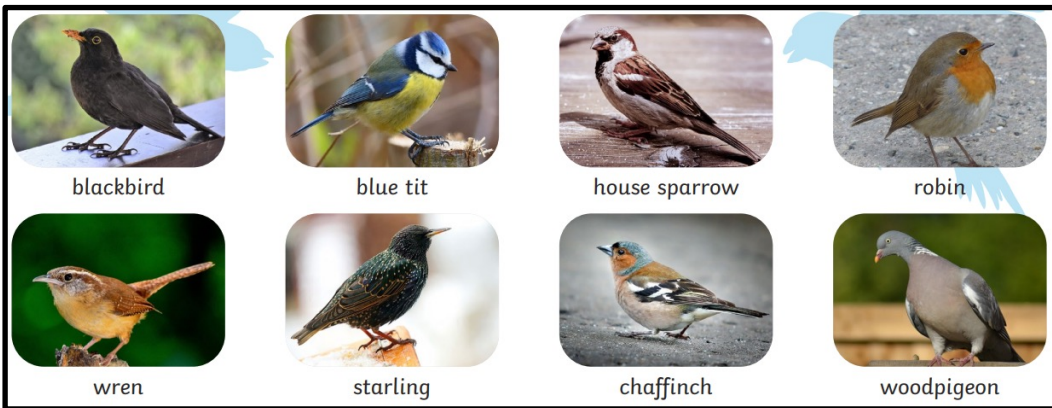
- Compare the structure of a variety of common animals.
- Identify and name a variety of common animals, including fish, amphibians, reptiles, birds and mammals.
- Identify and name a variety of common animals that are carnivores.
- Identify and name a variety of common animals that are herbivores.
- Identify and name a range of common animals that are omnivores.
- Describe the simple physical properties of a variety of everyday materials.
- Compare and group everyday materials based on their simple physical properties
- Ask simple questions and recognise that they can be answered in different ways.
- Perform simple tests.
- Identify and classify using a range of simple data.
- Use their observations and ideas to suggest answers to questions.

## Key Questions

This topic covers the following learning objectives:

- Can you name some animals that are amphibians?
- Can you name some reptiles?
- Can you name some mammals?
- Can you name some animals that are carnivores?
- Can you name some animals that are herbivores?
- Can you name some animals that are omnivores?
- Can you name the body parts of an animal to describes its structure?
- Can you explain why you would choose particular clothes for a polar adventure using properties of materials to explain your answer?
- Can you describe a material using scientific vocabulary?
- Can I perform a simple test to identify material properties and use my observations to answer questions?
- Can I identify properties to sort the materials to decide whether they would keep a polar adventurer warm or not?
- Can I ask simple questions to find out more information?

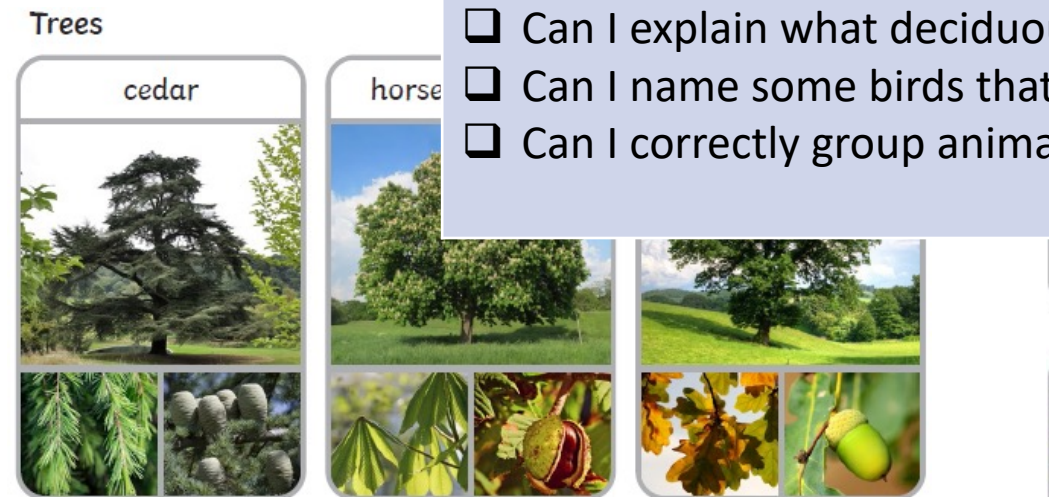
# Science: Plants and animals where we live



### Key Questions

- Can I name some plants and animals that I might find in my local area?
- Can I identify different leaves and match them to the correct tree?
- Can I explain what deciduous and evergreen means?
- Can I name some birds that I might find in my local area?
- Can I correctly group animals based on what I know about them?

	plants
	animals
	birds
	identify
	flowers
	habitat
	trees
	botanist
	leaf
	stem



<b>deciduous</b>	A <b>deciduous</b> tree loses its <b>leaves</b> each year.
<b>evergreen</b>	An <b>evergreen</b> tree keeps its green <b>leaves</b> all year round, even in the winter.