

# Year 4 Spring 2: How Can We Improve Our Outdoor Area?

## Sticky Knowledge

The map that's familiar to most of us is the Mercator projection, but it is also, as you might expect, full of inaccuracies.

There are two Norths: true north and magnetic north. True north is the direction of the geographic North Pole. Magnetic north is the direction the north end of a needle in a compass points

Cartography is the study of maps and map making. Someone who makes maps is called a cartographer

North may be at the top of maps today, but that wasn't always the case. During the middle ages, most Western maps put east at the top instead.

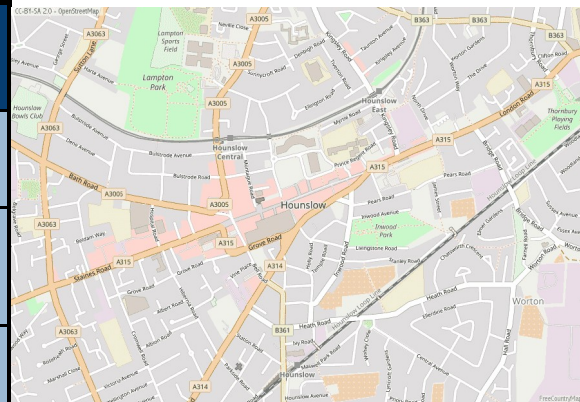
The modern system of classifying animals was invented in the 1700s by Carolus Linnaeus

Scientists estimate that 20% of the world's mammals are endangered.

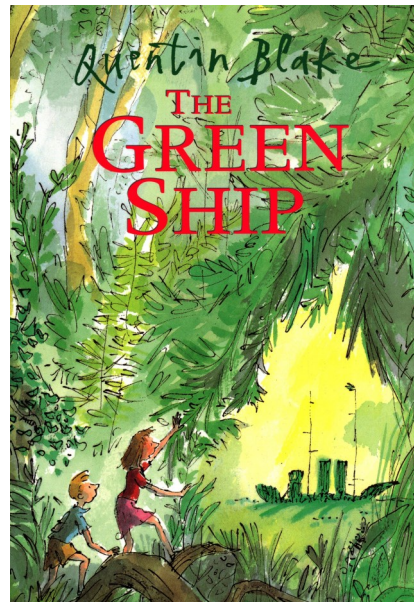
Animals are split into vertebrates and invertebrates. About 80% of living things on earth and 97% of animals are invertebrates

No-body knows how many species of living things there are. Scientists estimates that there are 8.7 million and that we have identified just 17% of these.

The five kingdoms of life are animals, plants, fungi, protists and monera. Monera and protists are both microscopic organisms that only have one cell.



## Key Text



## Topic Vocabulary

Ordnance Survey	An Ordnance Survey map is a detailed map produced by the British or Irish government map-making organization.
symbol	Map symbols are used to represent real objects. Both shapes and colours can be used for symbols on maps.
hemisphere	A hemisphere is formed by dividing the earth into the Northern and Southern Hemispheres at the equator
latitude	The lines extending around the Earth horizontally are called lines of latitude.
longitude	The lines extending around the Earth vertically are called lines of longitude.
time zones	Time zones give specific areas on the earth a time of day that is earlier or later than the neighbouring time zones
grid reference	Numerical grid references consist of an even number of digits. Eastings are written before Northings.
aerial photograph	Aerial photography is the taking of photographs of the ground from an elevated/direct-down position.
conservation	Preventing the waste or destruction of resources such as the rainforest, animals and the environment.
classification	Putting all living things into groups based on features they have in common
characteristic	The things or qualities that make something recognisable.