

My Knowledge Organiser for:

# Who were the great explorers?

Year 2 - Summer Term 1



**Prior knowledge  
that will help  
me in this ILP.**



### Geography

A continent is a large area of land.

The world's seven continents are Africa, Antarctica, Asia, Australia, Europe, North America and South America.

A map is a picture or drawing of an area of land or sea that can show human and physical features. A map has symbols to show where things are located.

Positional language includes behind, next to and in front of.

Directional language includes left, right, straight ahead and turn.

### Geography

Pictures, words and labelled diagrams can show what I want to design.

Specific tools are used for particular purposes e.g. scissors are for cutting and joining with tape or glue.

Different materials are suitable for different purposes, depending on their specific properties e.g. construction materials.

Sliders move from side to side or up and down and are often used to make moving parts in books.

Fruit and vegetables are an important part of a healthy meal (it is recommended to have 5 portions of fruit and vegetables a day).

## Who were the great explorers?

### Science

The basic body parts are the head, arms, legs, nose, eyes, ears, mouth, hands and feet.

The five senses are hearing, sight, smell, taste and touch.

Ears are used for hearing, eyes are used to see, the nose is used to smell, the tongue is used to taste and skin gives the sense of touch.

### History

Sequencing life events, such as birth, going to nursery, first day of school using first, next, finally, then and after that.

Mary Anning discovered a new type of dinosaur.

Queen Elizabeth is significant as she is Britain's longest reigning monarch.

Florence Nightingale was awarded the Royal Red Cross by Queen Victoria. Marcus Rashford received an award from the Queen because he made no child went hungry.

Isambard Kingdom-Brunel was a Victorian engineer who designed many famous bridges, tunnels, and railways.

Pictures, photographs and artefacts of life can help us find out about the past.

**Sticky knowledge**  
I will know by  
the end of this



### Design and Technology

Computer aided design has advantages over paper design - it will show how finished products will look; different colours and textures can also be trialed.

Different tools can be used to cut and join a range of materials (ruler to cut on a straight line, join edge to edge using glue, use a hole punch and stapler).

Select from a range of finishes to improve the appearance of a product.

Products can be compared by looking at the characteristics of each and deciding which is better suited to the purpose.

Finish products can be compared with design criteria to see how closely they match.



### Geography

An ocean is a large sea.

A sea is smaller than an ocean and is usually partially enclosed by land.

There are five oceans on our planet called the Arctic, Atlantic, Indian, Pacific and Southern Oceans.

The United Kingdom is an island surrounded by the Atlantic Ocean, English Channel, Irish Sea and North Sea.

Maps use symbols and a key. A key is the information needed to read a map and a symbol is a picture or icon used to show a geographical feature.

The four cardinal points on a compass are north, south, east and west.

A route is a set of directions that can be used to get from one place to another.

## Who were the great explorers?

### History

Great explorers in chronological order include Christopher Columbus, Captain Robert Scott and Ann Bancroft.

Amelia Earhart was the first woman to fly solo across the Atlantic.

Captain Cook and Christopher Columbus are significant because they discovered parts of the world.

Historical information about significant people can be presented in a variety of ways such as non-chronological report.

Books, pictures, stories and artefacts can help us tell us about famous explorers and help to distinguish between fact and fiction.

### Science



Human offspring go through different stages as they grow to become adults. These include baby, toddler, child, teenager and adult.

Humans need water, food, air and shelter to survive.

A healthy lifestyle includes exercise, good hygiene and a balanced diet.

# History

## Key Vocabulary

	Word/phrase	Definition
	Explorer	A person who explores a new or unfamiliar area.
	Significant	Significant means someone or something of great importance.
	Artefact	An object made by a human being, typically one of cultural or historical interest.

## Air and Space Explorers

### Amelia Earhart (1897-1937)



Amelia Earhart was an American pilot and writer. She was the first woman to fly solo across the Atlantic Ocean.

### Mae Jemison (1956-present)

Mae Jemison is an American engineer, physician and former NASA astronaut. She became the first African-American woman to travel into space.



## Land Explorers

### Christopher Columbus (1451-1506)



Christopher Columbus was a sailor, who completed four voyages across the Atlantic Ocean. He is best known for discovering the 'Americas'.

### Captain Robert Scott (1868-1912)



Captain Robert Falcon Scott was a British Royal Navy officer and explorer who led two expeditions to the Antarctic region.

### Ann Bancroft (1955-present)



Ann Bancroft is an American author, teacher, adventurer and public speaker. She was the first woman to finish a number of expeditions to the Arctic and Antarctica.

## History continued...

### Sea Explorers

#### Captain James Cook (1728-1779)



Captain James Cook was an English sea explorer. He sailed around the world and found Australia, New Zealand and Hawaiian Islands.

#### Ellen MacArthur (1976-present)



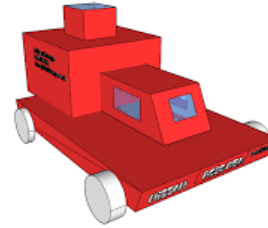
Ellen MacArthur is an English explorer. She is the fastest solo sailor to sail around the world.

#### Jacques Costeau (1910- 1997)



Jacques Costeau was a French sea explorer. He was born in 1910 and died in 1997. He helped design the 'aqua-lung' which helped divers breathe under water.

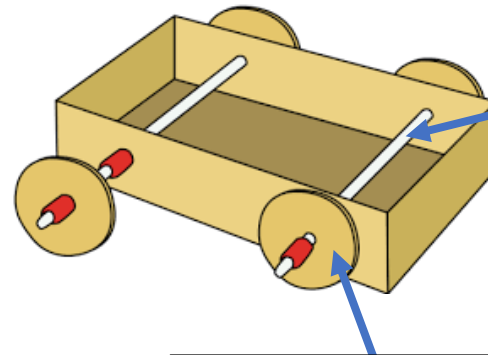
### Computer-aided design (CAD)



## Design Technology

Computer-aided design (CAD) is the use of computer software to help create design ideas.

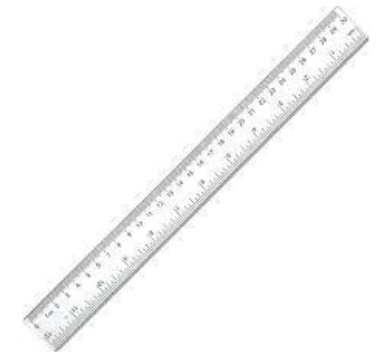
### Tools



An axel can be used to connect two wheels.



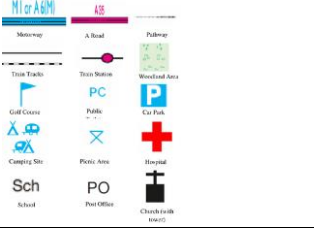


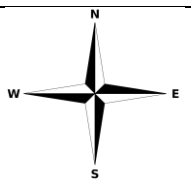
Wheels can be connected by an axel. Wheels help a vehicle to move.

A ruler can be used to draw straight lines and it can also help to cut straight lines.



# Geography:

## Key Vocabulary:

	Word/Phrase	Definition
	Ocean	An ocean is a large sea. There are 5 oceans: the Pacific, the Atlantic, the Indian, the Arctic, and the Southern or Antarctic. Oceans cover most of the Earth's surface.
	Sea	A sea is much smaller than an ocean. Seas are usually the barrier between the land and the ocean. A sea is made up of saltwater.
	Map symbol	Maps use symbols to show a geographical feature. The symbols are a small picture or icon to easily show what is on the map.
	Map key	A map key shows you the information needed to read the map. It will explain what the different lines and symbols mean.
	Route	A route is a set of directions that can be used to get from one place to another. When going from a starting point to a destination, a route will be needed to know where to go and what roads or paths to follow.
	Compass cardinal points	A compass shows what direction you are going. A compass has 4 cardinal points: north, east, south, west.

## Key knowledge

The 5 oceans are the Pacific, the Atlantic, the Indian, the Arctic and the Southern or Antarctic. The 5 oceans surround the continents, and they are very large areas of sea.



A map is used to show a **route** from one place to another and can have **map symbols** and a **map key**. A map symbol is a small picture to show what is on the map and the key tells you what the lines and symbols mean.






Fenchurch Street is West to Barking.



# Science:

## Key Vocabulary:

	Word/Phrase	Definition
	Offspring	Offspring are the young creation of living organisms (humans, animals, birds, plants). Another word for children.
	Healthy lifestyle	A healthy lifestyle leaves you fit, energetic and at a reduced risk of disease based on the choices you make about your daily habits. Good nutrition, daily exercise and adequate sleep are the foundations for continuing good health.
	Lifespan	The lifespan of a person, plant or animal is the period for which they live or are normally expected to live.

## Healthy Lifestyles



During **sleep**, your body is working to support healthy brain function and maintain your physical health. In children and teens sleep also helps to support growth and development.



Eating a **healthy diet** that includes lots of fruit, vegetables, wholegrains and a moderate amount of unsaturated fats, meats and dairy can help you maintain a healthy weight.



Being **physically active** can improve your brain health, help manage weight, reduce the risk of disease, strengthen bones and muscles, and improve your ability to do everyday tasks.

## What humans need to survive

Shelter



Air



Food and drink



All animals, including humans, have four basic needs to survive. These are the things it must have to be able to live. Our lungs breathe in oxygen and remove carbon dioxide. We to drink water to stay alive, it breaks down our food and helps our brains work properly. Our diet changes as we grow, as a baby we drink milk and as we grow our diet can include lots of different foods and drinks. Humans are omnivores and can eat meat and plants although some people choose not to eat meat. Our homes are our shelters and protect us from the weather and other outside dangers. If animals, including humans, do not have one or all these things they will die.