



What I already know

- To identify the continents of North and South America
- Identify some similarities and differences between the Americas and the UK
- Be able to identify the Americas on a map
- Have prior knowledge of the water cycle



Big Question

What is the difference between South and North America?

Geography Year 5 The Americas

Sticky Knowledge

- The largest country in North America is Canada, but the United States of America has the largest population.
- The most common spoken languages in the Americas are English, French and Spanish.
- North America has many amazing features, including Niagara Falls on the boarder of Canada and the USA.
- South America's biggest country is Brazil. Here you'll find the Amazon Rainforest, home to a huge number of animals, plants and insects.
- Brazil is the world's seventh largest economy. It is rich in natural resources such as iron ore. They are also one of the largest exporters of coffee, beef, sugar and orange juice.

Vocabulary

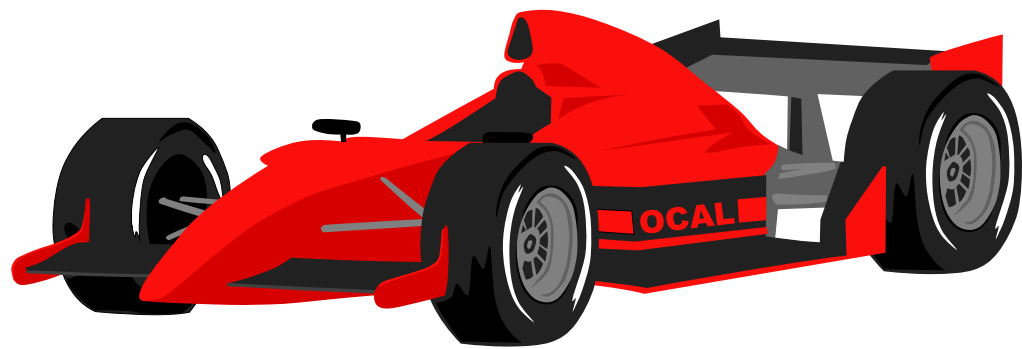
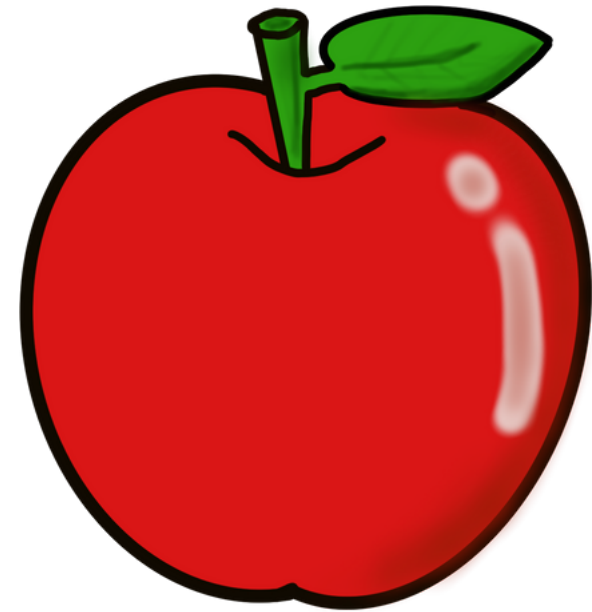
human geography, physical geography, population, settlements, trade, latitude, longitude, similarities, differences, North America, South America, Central America, export, culture, region, population, Northern Hemisphere, Southern Hemisphere, time zone, tropical, mountain ranges.





What I already know

- The moon orbits around the Earth.
- There are many different planets orbiting in the solar system.
- Some forces need contact between two objects.
- Magnets show the forces of attract and repel to other objects.



Science Year 5 Forces

Sticky Knowledge

- Forces can make an object start to move, change direction, move more slowly, move faster, stop moving.
- Isaac Newton is a famously thought to have developed his theory of gravity when he saw an apple fall to the ground from an apple tree.
- Friction is a force that acts between two surfaces or objects that are moving.
- Streamlined is when an object is shaped to minimise the effect of air and water resistance.
- Pulleys, gears and levers use forces for a purpose e.g. to lift a heavy weight or stop a car.

Vocabulary

Friction, forces, gravity, gravitational pull, streamlined, mass, weight, resistance, pulleys, gears, cogs, levers, up thrust, air resistance, water resistance.





What I already know

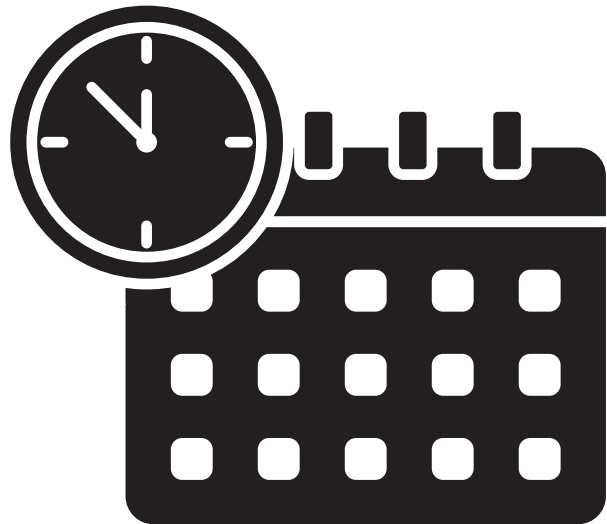
- Humans live on planet Earth.
- Earth is part of a solar system made of other planets.
- Astronauts have travelled in to space to learn more about where we live.

Science Year 5 Earth and Space

Sticky Knowledge

Vocabulary

Earth, moon, celestial, sun, planets, rotate, orbit, axis, solar system, day, night, Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune.



- The sun is a star at the centre of our solar system. The sun does not move.
- The solar system has 8 planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune (Pluto was reclassified as a 'dwarf planet' in 2006).
- A moon is a celestial body that orbits a planet (Earth has 1 moon; Jupiter has 4 large ones and numerous smaller ones).
- I know that the Earth rotates (spins) on its axis. It does a full rotation once in every 24 hours.
- I know that the Earth is rotating, it is also orbiting (revolving) around the sun. It takes a little more than 365 days to orbit the sun. I can explain night and day using these facts.





What I already know

- Read and draw simple maps
- Identify symbols on a map.



Subject Composite
To create
typography and
combine it with other
visual elements
about the Americas.

Art Year 5

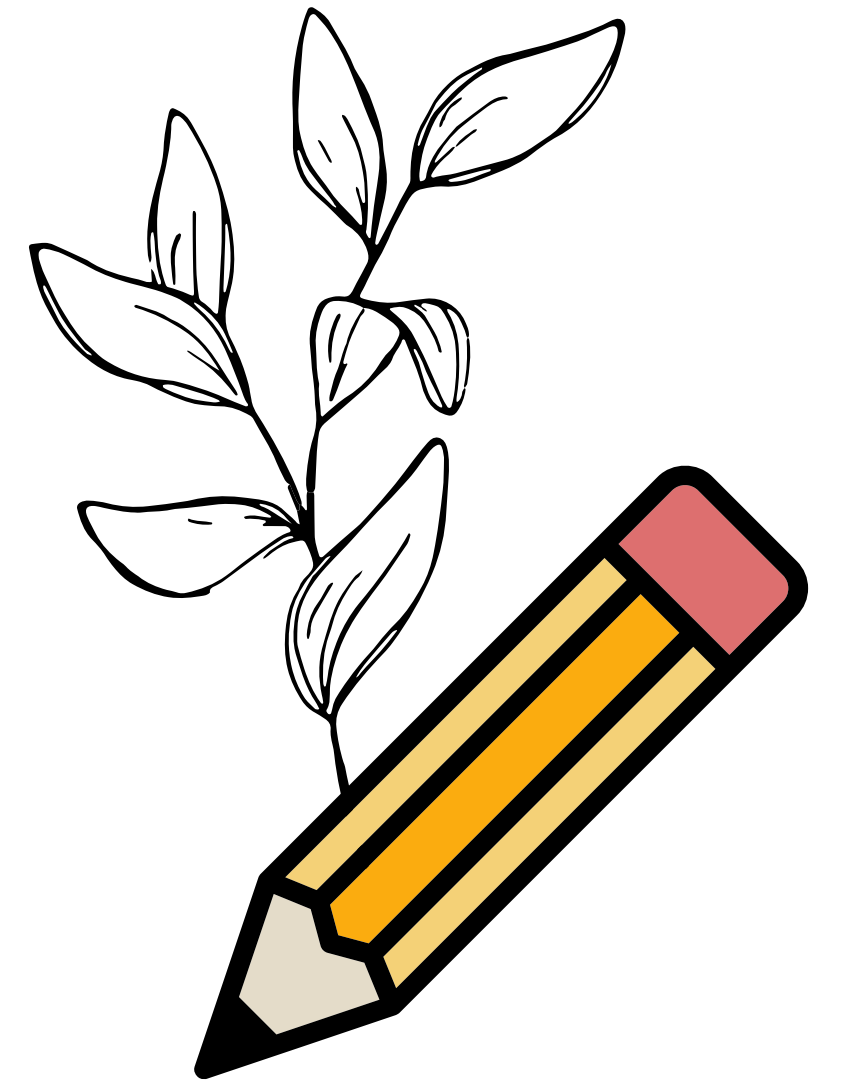
Typography and Maps

Sticky Knowledge

- That when designers work with fonts and layout it is called Typography.
- That we can use the way words look to help us communicate ideas and emotions.
- I know that Louise Fili is a pioneer in establishing herself as a woman working in Typography.

Vocabulary

Typography, Lettering, Graphics, Design, Communicate, Emotions, Purpose, Intention, Playful, Exploratory, Visual Impact, Pictorial Maps, Identity, Symbols, Present, Share, Reflect, Respond, Articulate, Feedback, Crit, Similarities, Differences,



What I already know

- Materials have various purposes.
- I can sew using a running stitch.



Subject Composite

Children to make a case for either a phone, pencils or similar.

DT

Year 5

Textiles, combining different fabrics

Sticky Knowledge

- I know that different materials have different qualities for the use in textiles.
- I know how to create pattern pieces for my design.
- I know a range of stitches and techniques including running stitch, over stitch, cross stitch and applique.
- I can select my equipment and material carefully.
- I know how to evaluate my product.

Vocabulary

seam, seam allowance, wadding
reinforce, hem, template, pattern pieces,
pinking shears, fastenings, iron transfer
paper, design criteria, annotate, design
decision, functionality, innovation,
authentic, user, purpose, evaluate,
mock-up, prototype.

