Year 5: Autumn 1 Curriculum Overview

HENHURST RIDGE PRIMARY ACADEMY

YEAR 5

Maths

In Maths, we will develop our understanding of numbers and place value up to 1,000,000. We will use concrete resources, such as place value counters and place value charts, to represent and explore numbers before learning to compare and order numbers up to 1,000,000. We will also practise rounding numbers to the nearest 10, 100, 1,000, 10,000 and 100,000.

Writing

In Writing, we will begin by exploring poetry, using imaginative language and creative descriptions of colour to create vivid and engaging imagery. We will then move on to fiction writing, where we will develop our setting description skills, using scenes from Disney's Up as inspiration to help bring our writing to life.

Science

In Science, we will build on our previous learning about forces by exploring gravity, air resistance and water resistance in greater depth. We will discover how these forces act on objects and how they can affect movement. We will also learn about balanced and unbalanced forces, exploring how they can cause objects to start moving, speed up, slow down or change direction.

Geography

In Geography, we will explore the Alps, focusing on the city of Innsbruck. Children will learn about the climate of mountain regions and investigate why people choose to visit the Alps. We will identify and compare the physical features, such as mountains and rivers, and human features, including ski resorts and transport links, that make the area a popular tourist destination.

Computing

In Computing, we will learn how search engines work and explore how websites are ranked in search results. Children will investigate factors that affect page rankings and develop their understanding of how information is found online. We will also learn how to evaluate the reliability of websites, and identify inaccurate or misleading information.

PE

In PE, Year 5 pupils will explore a range of physical activities to develop their movement skills, fitness levels and overall wellbeing. During lessons with Mr Furniss, children will focus on health and fitness, building their understanding of how physical activity contributes to a healthy lifestyle. With Mr Shean and Mr Roper, pupils will develop their football skills, concentrating on key techniques such as dribbling, passing and attacking play.

Reading

In Reading, we will develop our comprehension skills through a range of engaging texts, focusing on key reading strategies such as retrieval and inference. Our class novel this half term is an abridged version of Journey to the Centre of the Earth by Jules Verne, an exciting adventure story with vivid settings that will spark the imagination.



Art

In Art, we will explore how drawing can be used to express emotion, movement and depth. Taking inspiration from artists Charlie Mackesy and Elizabeth Catlett, children will experiment with a range of drawing techniques to create expressive artwork and develop their observational and creative skills.

PSHE

In PSHE, we will explore identity, values and relationships, considering how our beliefs, experiences and influences can shape the choices we make. Children will discuss the importance of respecting different viewpoints, building positive relationships and making responsible decisions.

Music

In Music, we will explore composition and notation through the theme of Ancient Egypt. Children will create and perform their own musical pieces, using simple notation to record their ideas while learning how music can be used to tell stories and represent different cultures and historical periods.

RE

In RE, we will explore the idea of religious freedom and consider why people feel strongly about their beliefs and values. Using both historical and modern examples, including Guy Fawkes, children will investigate how individuals have stood up for what they believe in and discuss the impact these actions can have on society.



Spanish

In Spanish, we will learn how to talk about family and friends. Children will practise asking and answering simple questions about themselves and others, learn the names of different family members, and describe relationships within a family. They will also develop their speaking and listening skills by using simple phrases and talk about the people who are important to them.

HENHURST RIDGE PRIMARY ACADEMY

Year 5: Autumn 1 Home Learning Menu

YEAR 5

TT Rockstars – to practise times tables and improve speed and accuracy. Spend 5 minutes a day on TT Rockstars to build fluency with multiplication facts.

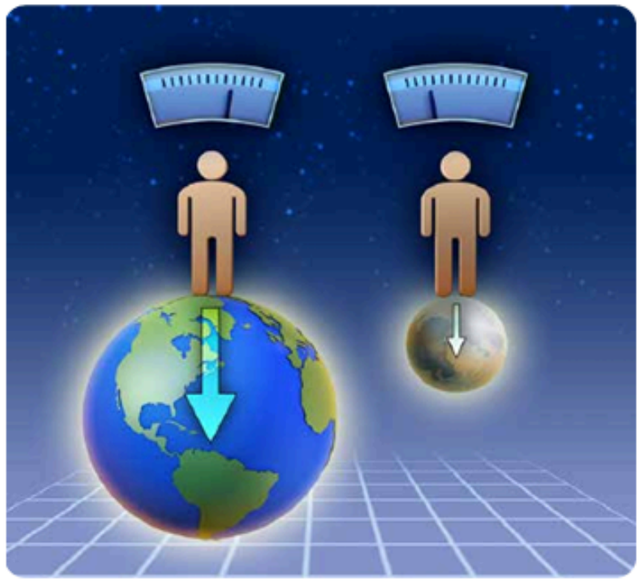
Mathletics – to build on class learning and strengthen maths skills. Log on to Mathletics regularly to complete set tasks that link to current topics.

EdShed – to practise weekly spellings through fun games. Play on EdShed several times a week to rehearse spellings in fun, interactive ways.

Maths Create times tables flashcards and practice rapid recall of times tables facts.	**Maths** Read and write numbers all the way up to 1,000,000.	**Reading** Pick and choose a book of a different genre to your preferred genre and read with a parent or friend.	**Reading** Create a fact file for one of the explorers in 'Journey To The Centre of the Earth'.	**Spelling** Access Speling Shed on an electronic device and practice weekly spelling words set on there.
Writing Choose a theme and create an acrostic poem based on that theme.	**Geography** Create a mini presentation based on The Alps using any form of PowerPoint on a device.	**Geography** Design and create a poster which compares The Alps to another mountain range (e.g Himalayas, Rockies, Andes).	**Science** Conduct a gravity drop test experiment by dropping different items from the same height and record the time it takes to land.	**Science** Roll a toy car on different surfaces and measure the distance. Record your results and explain which surface the car travelled the furthest.
Art Explore artwork by Elizabeth Catlett and try to recreate one of her art pieces.	**Art** Choose an everyday object and try to draw it only using lines (e.g straight, curved, thick, thin).	**Music** Create a rhythm composition using your body and perform it to or with your family or friends.	**Music** Design your own hieroglyphic rhythm notation using Egyptian-style symbols.	**PE - Health and Fitness** Participate in a physical activity session with a family member and record how it made you feel.
PE - Football Practice a football skill at home (dribbling, shooting etc) for 10 minutes for 3-4 days a week.	**Computing** Use a search engine (e.g Google, Microsoft Bing, Yahoo) to research facts about a favourite hobby or animal.	**PSHE** Draw your hand on a piece of paper and write down all the qualities that makes a good friend in your hand.	**RE** Create a fact file about Guy Fawkes which includes his role in the gunpowder plot.	**Spanish** Draw a family tree and label all of your family members in Spanish (e.g mum = madre, dad = padre).

Science - Unbalanced forces

Gravity is a pulling force that acts between any two objects with mass. The greater the mass of the objects and the closer they are to each other, the stronger the gravitational pull between them.

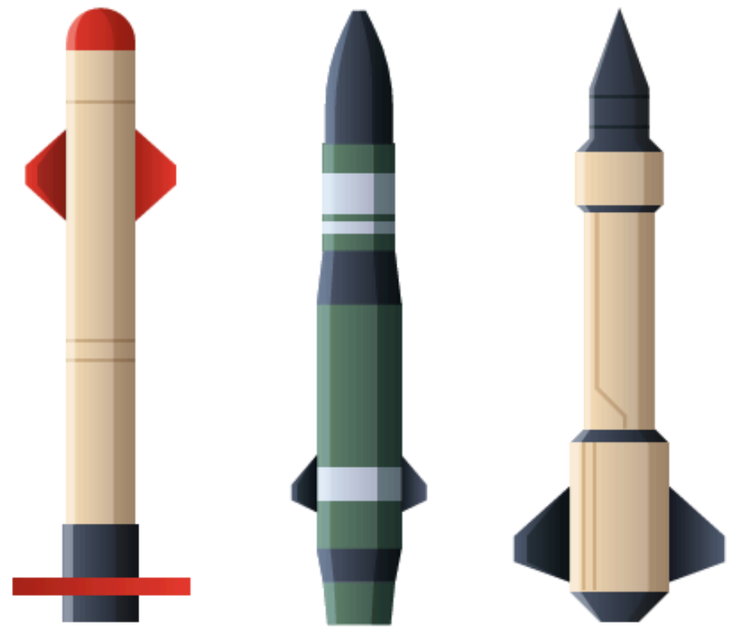


Friction is a contact force between two surfaces that opposes motion and causes a slowing effect. Rougher surfaces and more weight increase friction.

Air resistance, a type of friction, is the force that opposes an object moving through the air. The greater the object's surface area and the faster it moves, the greater the air resistance.



Streamlining involves designing objects to move through air or water more easily by making their shape smooth and sleek to reduce resistance from air or water.



Sir Isaac Newton (1643-1727) was an English scientist who discovered the laws of gravity.



Water resistance, a type of friction, is the force that opposes an object moving through water. The greater the object's surface area and the faster it moves, the greater the water resistance.



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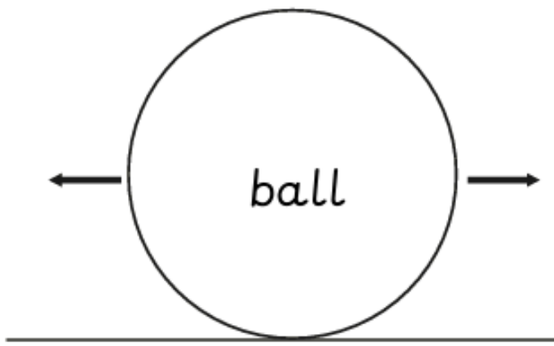
Science - Unbalanced forces

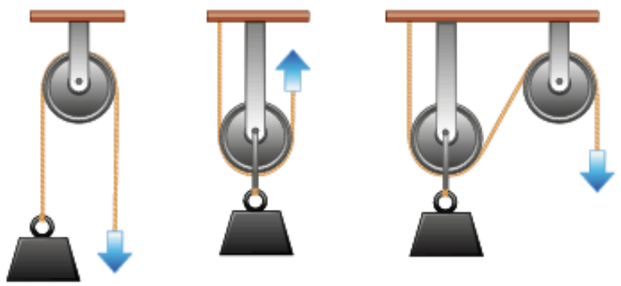
When forces are **unbalanced** (unequal), change will happen: changing speed, shape, direction, starting or stopping moving.



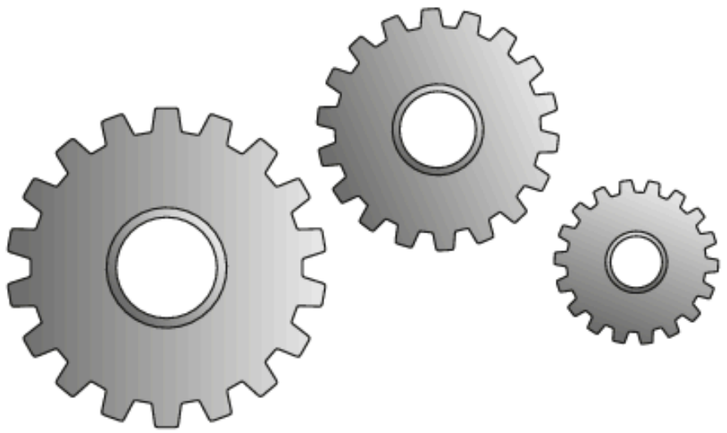
When forces are **balanced** (equal), an object will either be stationary or moving at a steady speed.



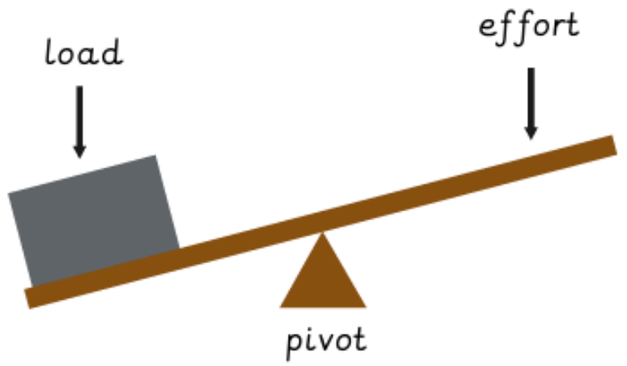
A **pulley** is a wheel with a groove around it for a rope, making it easier to lift heavy things by pulling down on the rope.



A **gear** is a wheel with teeth that fits into another gear to change the speed or direction of movement.



A **lever** is a stiff bar that moves around a pivot to lift a load more easily.



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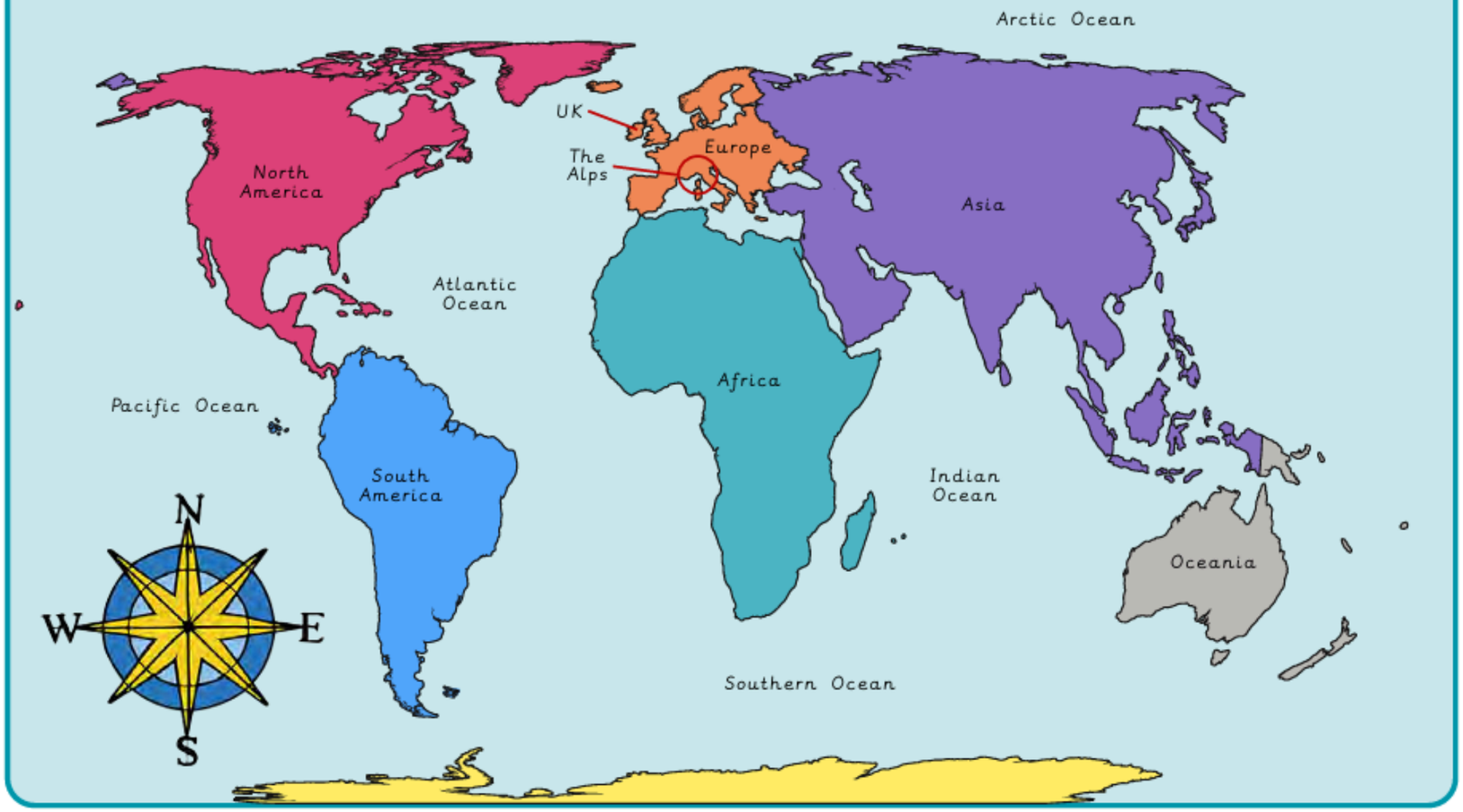
What is life like in the Alps?

World map





Mont Blanc is the highest mountain in the Alps.



Climate

Most of the Alps have a mountain climate. It is much colder than the surrounding climate due to the height of the mountains. Lower regions of the Alps have a temperate climate.



Popular activities in the Alps include skiing, hiking and sightseeing

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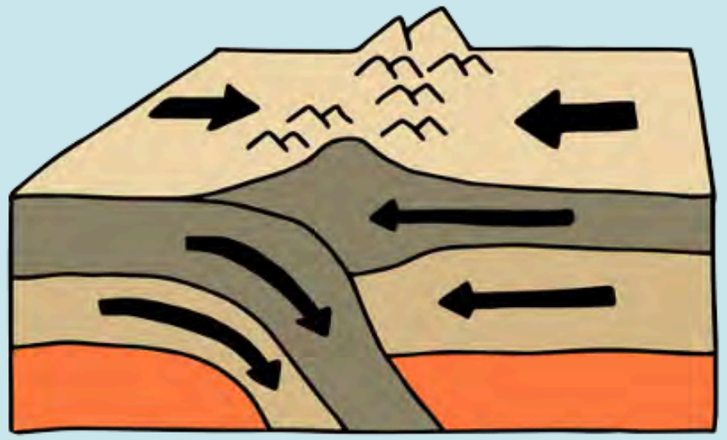
What is life like in the Alps?

Map of Europe





leisure	The use of free time for enjoyment.
tourist	A person who travels to a place for pleasure.
tourism	Travel for pleasure in which people visit places of interest.



Alpine mountains are fold mountains. They were formed when two tectonic plates pushed together and the ground was forced upwards.

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