

YEAR 5 CURRICULUM OVERVIEW



This term is history themed - Anglo-Saxons

English

Reading

Anglo-Saxon Boy

Beowolf

The Call of the Wild

Leaf

My Beautiful Birds

In the Bleak Midmidwinter

Way of the Waves

How to Train your Dragon

Handwriting

Write legibly using joined, cursive handwriting.

Composition

Write for a range of purposes, knowing key features of a genre

Use paragraphs or sections to organise ideas

Use prepositions to express place and time and use adverbs

Punctuation

Use the full range of punctuation taught at KS1, punctuation for dialogue and commas for fronted adverbials

Spelling

Add prefixes and suffixes to spell many words correctly

Spell many KS1, Y3/4 and Y5/Y6 common exception words correctly

Editing

Assess the effectiveness of their own and others' writing by proposing changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning

Ensuring the consistent and correct use of tense throughout a piece of writing

Proofread for spelling and punctuation errors

Perform their own compositions, using appropriate intonation, volume, and movement so that meaning is clear

Maths

Place value within 100,000

Numbers to 10,000

Roman numerals to 1000

Rounding to the nearest 10, 100 and 1,000

10,000s, 1,000s, 100s, 10s and 1s.

The number line to 100,000

Comparing and ordering numbers to 100,000

Rounding numbers to 100,000

Roman numerals to 10,000

Place value within 1,000,000

100,000, 10,000s, 1,000s, 100s, 10s and 1s.

Number line to 1,000,000

Comparing and ordering numbers to 1,000,000

Rounding numbers to 1,000,000

Negative numbers

Counting in 10s, 100s, 1000s and 10,000s

Number sequences

Addition and Subtraction

Adding numbers with more than 4 digits

Subtracting numbers with more than 4 digits

Using rounding and estimate to check answers

Mental addition and subtraction

Using inverse operations

Problem solving - addition and subtraction

Graphs and Tables

Interpreting tables

Two-way tables

Interpreting Line Graphs

Drawing Line Graphs

Multiplication and Division

	Fai Pri Sq Cu Inv Mr Ar Mc Ca Ca Co Est	ultiples actors ime Numbers quares ubes verse Operations ultiplying and dividing by 10 rea and Perimeter easuring Perimeter alculating perimeter alculating Area pmparing Area timating Area	
 History AD 410 to AD 800: Anglo Saxon rule in Britain The Anglo-Saxons made their way over to Britain after the fall of the Roman Empire in AD 410. By the ninth century, the country was divided into four kingdoms – Northumbria, Mercia, East Anglia and Wessex. The significance of the discovery of the burial site at Sutton Hoo, in Suffolk. The impact that the Anglo-Saxons had on Britain, including monasteries and place names. Anglo-Saxon rule came to an end in 1066 when William of Normandy and an invading army crossed the channel from France, bringing about The Battle of Hastings 	Science Changing Materials • Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution. • Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating. • Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic. • Demonstrate that dissolving, mixing and changes of state are reversible changes. • Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.		Fhysical Geography Mapwork showing how countries boundaries have changes due to military advancement. Human Comparison of roads and cities during Anglo-Saxon periods.
Art Artist Study: Anglo-Saxon pattern and symbols	Mesign Technology Key area: structures Project: To investigate, design a bridge.		Music Rhythm and Blues Children learn to identify the key features and mood of Blues music and its importance and purpose. They also get to grips with the 12-bar Blues and the Blues scale, and combine these to





Skills and media: drawing – using a range of techniques to show tonal contrast and texture in their designs. Encourage them to improve an element e.g line or shape.

Clay: fine skills of carving in clay and imprinting to create texture and design.

Relief printing.

Clay, clay tools and carving equipment



Illuminated letters

Methods and techniques – drawing – work from a variety of sources to develop observational drawing of images, patterns and design.

Media and materials – metallic pens, black fine liners, coloured pencils

Key skills:

- Designing a stable structure that is able to support weight.
- Creating a frame structure with focus on triangulation.
- Make a range of different shaped beam bridges.
- Using triangles to create truss bridges that span a given distance and support a load.
- Independently measuring and marking wood accurately.
- Selecting appropriate tools and equipment for particular tasks.
- Using the correct techniques to saw safely.
- Identifying where a structure needs reinforcement and using card corners for support.
- Explaining why selecting appropriate materials is an important part of the design process.
- Understanding basic wood functional properties.
- Adapting and improving their own bridge structure by identifying points of weakness and reinforcing them as necessary.

Key knowledge:

- To understand some different ways to reinforce structures.
- To understand how triangles can be used to reinforce bridges.
- To know that properties are words that describe the form and function of materials.
- To understand the material (function and aesthetic) properties of wood.

create an improvised piece with a familiar, repetitive backing.

Remixing and Looping

 Children learn about how dance music is created, focusing particularly on the use of loops, and learn how to play a well known song before putting a dance music spin on it to create their own versions

Computing

E-Safety - Be Internet Brave

- Understand what types of situations call for getting help or talking things out with a trusted adult.
- Consider what options there are for being brave and why bringing adults into the conversation is important.

Sharing information

- Identifying and exploring how information is shared between digital systems.
- Video editing Planning, capturing, and editing video to produce a short film.

Physical Education

Gymnastics

- To perform a forward roll. To perform a range of rolls with different start and finishing positions.
- To perform a backward roll from different starting and finishing positions.
- To perform the three stages of a handstand.
- To perform the step of a cartwheel.
- To link two or more movements together.
- To create a sequence of a range of movements.

Dance

- Learn the key movements of the DDMIX Line dance, demonstrating clear dynamics.
- Explore moving different body parts in contrasting ways, in relation to stimuli.
- Link the key movements to form the DDMIX Line dance, explore mirroring movements and dancing in unison.
- Create a dance phrase that can be combined and linked with a Line dance. Work constructively with a partner and/or small group.
- Learn the key movements of the DDMIX Hand jive, demonstrating clear dynamics.
- Link the key movements to form the DDMIX Hand jive. Children create their own hand jive sequence

Games - Invasion Games

- Use different techniques for passing, controlling, dribbling and shooting the ball in games.
- Apply basic principles of team play to keep possession of the ball
- Use marking, tackling and/or interception to improve their defence.
- Play effectively as part of a team; know what position they are playing in and how to contribute when attacking and defending.
- Plan practices and warm ups to get ready for playing safely
- Recognise their own and others' strengths and weaknesses in games

Modern Foreign Language (French)

- Bon appétit/bonne santé
- Fruit Revise and practise colours and numbers to 31 and higher.
- Express opinions and preferences.
- Understand a recipe.
- Revise days of the week. Join in with 'Jacques le gourmand' story.
- Learn other food and drink vocabulary.

Suggest ideas that w	vill improve performance	
P.S.H.E and Character Education	Religious Education What does it mean if God is Holy and Loving? Identify some different biblical texts, using technical terms accurately. To explain connections between biblical texts and Christian ideas of God, using theological terms. Make clear connections between Bible texts studied and what Christians believe about God; for example, through how churches are designed. Show how Christians put their beliefs into practice in worship Weigh up how biblical ideas and teachings about God as holy and loving might make a difference in the world today, developing insights of their own. Why is the Torah so important to Jewish people?	
Being Me in My World My Year Ahead Being a Citizen of My Country Year 5 Responsibilities Rewards and Consequences Our Learning Charter Owning our Learning Charter Celebrating Difference Different Cultures Racism Rumours and Name-Calling Types of Bullying Does Money Matter? Celebrating Different Across the World		
S This term the theme is Space p r English	Maths	
Reading High flier The Jamie Drayke equation Where we once stood The Gravity planets Sputniks Guide to Earth Curiosity - the story of a Mars Rover Swallows and Amazons Kenny lives with Erika and Martina Time Travelling with a hamster Handwriting Maintain legibility in joined handwriting when writing at length Composition Write effectively for a range of purposes and audiences, selecting language that shows growing awareness of the reader	Multiplication and Division Multiplying numbers with up to 4 digits by 1 digit Multiplying 2 digit numbers Multiplying 3 digit numbers by 2 digit numbers Multiplying 4 digit numbers by 2 digit numbers Division with remainders Problem solving - division with remainders Fractions (1) Equivalent Fractions Converting improper fractions to mixed numbers Converting mixed numbers to improper fractions Number sequences Comparing and ordering fractions Fractions as division Fractions (2)	
In narratives, Develop and keep characters consistent through description	Adding and subtracting fractions with same denominator	

- * Develop settings through description and link this with the characters or plot
- * Vary story openings: start with dialogue, action or description
- * Use paragraphs to vary pace and emphasis
- * Use dialogue to move action forward

Use a wide range of clause structures, sometimes varying their position within the sentence Use verb tenses consistently and correctly throughout their writing Use the passive to affect the presentation of information in a sentence

Punctuation

use the full range of punctuation taught in KS1 and so far in KS2 mostly correctly (full stops, capital letters, question marks, exclamation marks, commas in lists, commas after fronted adverbials, apostrophes for contraction and possession, inverted commas and other speech punctuation)

Spelling

spell most words correctly, adding prefixes and suffixes appropriately, spelling the correct form of homophones and spelling all common exception words correctly (KS1, Y3/Y4 and some Y5/6)

Adding and subtracting fractions with different denominators

Problem solving with fractions

Fractions (3)

Multiplying fractions Calculating fractions of amounts Using fractions as operators Problem solving - mixed word problems

Decimals and Percentages

Writing decimals
Decimals as fractions
Understanding thousandths
Writing thousandths as decimals
Ordering and comparing decimals
Rounding decimals
Understanding percentages
Percentages as fractions and decimals
Equivalent fractions, decimals and percentages

History

- Around 2,000 years ago, Britain was ruled by tribes of people called the Celts
- In AD 43, Britain was invaded by Romans, who landed on the beaches of Kent.
- AD 43 to AD 410: Roman Empire in Britain
- Boudicca led an uprising against the Roman occupation. She was defeated in 61AD.
- Many Roman structures can still be seen in cities across Britain. The Romans' presence is still evident in York.
- The names of many Roman settlements still exist
- The laws and ways we determine what to do with someone who is accused of breaking a law came originally from the Roman Empire.
- Emperor Hadrian built Hadrian's Wall along the border between modern day Scotland and England in 122AD. This was to keep out the Barbarians of the North.
- AD 410 to AD 800: Anglo Saxon rule in Britain

Science (Plus knowledge organiser) Earth and Space-

- Describe the movement of the Earth relative to the Sun in the solar system.
 Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.
- Describe the Sun, Earth and Moon as approximately spherical bodies.
- Describe the movement of the Moon relative to the Earth.

Light-

- Understand that light appears to travel in straight lines.
- Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye.
- Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them, and to predict

Geography

Mapwork showing how countries boundaries have changes due to military advancement.

Human

Physical Geography

 Comparison of roads and cities during Roman, Anglo-Saxon and Viking periods.

•	 The Anglo-Saxons made their way over to Bridge 		
	after the fall of the Roman Empire in AD 410.		

the size of shadows when the position of the light source changes.

Forces-

- Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. Identify the effects of air resistance, water resistance and friction that act between moving surfaces.
- Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

Art

Artist study:

Salvador Dali - Surrealism

Vincent Van Gogh 'Starry Night'

Skills and media: I.T to cut and paste images – selecting backgrounds and images to collage.

Close observational skills using a viewfinder.

Different techniques using pastels – line drawing, tone, texture

Media and materials – chromebooks, pastels, charcoal, different sized paper.





Design Technology

Key area: Mechanical Systems

Project: To investigate, design and make a pop-up book.

Key skills:

- Designing a pop-up book which uses a mixture of structures and mechanisms.
- Naming each mechanism, input and output accurately.
- Storyboarding ideas for a book.
- Following a design brief to make a pop up book, neatly and with focus on accuracy.
- Making mechanisms and/ or structures using sliders, pivots and folds to produce movement.
- Using layers and spacers to hide the workings of mechanical parts for an aesthetically pleasing result.
- Evaluating the work of others and receiving feedback on own work.
- Suggesting points for improvement.

Key knowledge:

- To know that mechanisms control movement.
- To understand that mechanisms can be used to change one kind of motion into another.
- To understand how to use sliders, pivots and folds to create paper-based mechanisms.

Music

Chords on tuned instruments –

- Children learn 'Shosholoza', a traditional South African song, play the accompanying chords using tuned percussion and learn to play the djembe.
- They will also learn a traditional West African drum and add some dance moves ready to perform the song in its entirety.

Composing -

- Children explore the associations between music, sounds and colour, building up to composing and, as a class, performing their own musical composition to represent Holi, the Hindu festival of colour, which celebrates the beginning of spring and the triumph of good over evil.
- Holi celebrations include people throwing and smearing each other with vibrant, multi-coloured paints and powders.

Computing	 To know that a design brief is a description of what I am going to design and make. To know that designers often want to hide mechanisms to make a product more aesthetically pleasing. Physical Education	MFL
Selection in physical computing • Exploring conditions and selection using a programmable microcontroller. Flat-file databases • Using a database to order data and create charts to answer questions	 Learn the key movements of the DDMIX Line dance, demonstrating clear dynamics. Explore moving different body parts in contrasting ways, in relation to stimuli. Link the key movements to form the DDMIX Line dance, explore mirroring movements and dancing in unison. Create a dance phrase that can be combined and linked with a Line dance. Work constructively with a partner and/or small group. Learn the key movements of the DDMIX Hand jive, demonstrating clear dynamics. Link the key movements to form the DDMIX Hand jive. Children create their own hand jive sequence. Net/Wall Play games with help, eg someone to catch the ball when it is hit, someone to feed them; use a small range of basic shots on both sides of the body; with help, get games to flow; apply some of the basic tactics; recognise the need to warm up and carry out exercises safely; recognise when they and others are playing well and identify why, with help 	 Different types of music. Express opinions using 'c'est'. Conduct a survey about people's music preferences. Use formal and informal question forms. Understand more complex sentences. Perform a role play about buying a cd/music poster. Learn the names of some musical instruments. Introduce idea of- er verb conjugation with first, 2nd and 3rd person singular. Perform and write a pop star interview. Use as a way to revise general conversation previously taught. Easter
	Play the games, but may need extra support; hit a ball bowled sympathetically to them;	

P.S.H.E and Character Education Peams and Goals When I Grow Up Investigate Jobs and Careers My Dreams and Goals for Young People in Other Cultures How Can We Support Each other? Rallying Support Healthy Me Smoking Alcohol Emergency Aid Body Image My Relationship With Food P.S.H.E and Character Education Religious Education How do christians decide how to live? What would Jesus do? Why do Hindus try to be good? Why do Hindus try to be good?	
S This term is geography themed -	
u English Maths	
Decimals Decimals	
Reading The Explorer Adding and subtracting decimals	
r Into the Unknown Decimal sequences	
See the Ocean The Jungle Book Multiplying decimals by 10	
The Jungle Book The Lost book of adventure Multiplying decimals by 10 Multiplying decimals by 10, 100 and 1000	
Where are you from? Dividing decimals by 10	
Running Wild Dividing decimals by 10, 100 and 1000	
Fire girl- forest boy	
Journey to the River Sea	

The Tyger poem

Handwriting

Write neatly at pace for extended periods.

Composition

Write effectively for a range of purposes and audiences, taking guidance and inspiration from a worked example and WAGOLL.

Use relative clauses, sometimes omitting the relative pronoun

Begin to create atmosphere, and integrate dialogue to convey character and advance the action.

Select precise vocabulary and grammatical structures that reflect the level of formality required mostly correctly.

Knowing how to make writing succinct by using precise grammar and punctuation to engage the reader, sometimes showing and not telling.

Punctuation

Use commas for clarity mostly correctly

Use some punctuation for parenthesis (brackets, commas and dashes)

Properties of shapes (1)

Measuring angles in degrees
Measuring angles with a protractor
Drawing lines and angles accurately
Calculating angles on a straight line
Calculating angles around a point
Calculating angles and angles in shapes

Properties of shapes (2)

Recognising and drawing parallel lines

Recognising and drawing perpendicular lines

Reasoning about perpendicular and parallel lines

Regular and irregular polygons

Reasoning about 3D shapes

Position and Direction

Reflection
Reflection with Coordinates
Translation
Translation with Coordinates

Converting Units

Metric Units
Imperial Units of Length
Imperial Units of Mass
Imperial Units of Capacity
Converting Units of Time
Timetables
Problem Solving - Measure

Volume and Capacity

What is Volume? Comparing Volume Estimating Volume Estimating Capacity

History

- Henry Walter Bates was an English naturalist and explorer
- he travelled the Amazon collecting examples of birds and insects.

Animals (Including humans)

 Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.

Science

Geography

A rainforest is an area of tall, mostly evergreen trees and a high amount of rainfall. They are the oldest living

• Francisco de Orellana was the first person (western world) to navigate the entire Amazon River, although there is evidence of pre-Colombian settlements dating back to 1250 - 1500AD

Describe the life process of reproduction in some plants and animals.

Living things and their habitat

- Identify how plants and animals, including humans, resemble their parents in many features.
- Construct and interpret a variety of food chains, identifying producers, predators and prey.
- Describe the life cycles common to a variety of animals, including humans (birth, growth, development, reproduction, death), and to a variety of plants (growth, reproduction and death).

ecosystems, with some surviving in their present form for at least 70 million years.

- Rainforests are incredibly diverse and complex
- Rainforests thrive on every continent except Antarctica.
- Rainforests have been home to thriving, complex communities for thousands of years
- Rainforests have many benefits
- Rainforests provide us with many products that we use
- Threats to rainforests rainforests are reducing at an alarming rate due to human development
- Many individuals, communities, governments and organisations are taking innovative approaches to protect threatened habitats.
- Rainforests are often the source of many stories and myths.
- Rainforests have been a stimulus for artists, musicians and dancers for centuries.

Art

Artist study:

Abel Rodriguez (elder from Nonuva ethnic group in Colombian Amazon)

John Dyer 'Spirit of the rainforest' project with Nixiwake Yawanawa



Henri Rousseau 'Tiger in a tropical storm'







Key area: Cooking and nutrition

Project: To investigate, adapt and make a healthy recipe..

Key skills:

- Adapting a traditional recipe, understanding that the nutritional value of a recipe alters if you remove, substitute or add additional ingredients.
- Writing an amended method for a recipe to incorporate the relevant changes to ingredients.
- Designing appealing packaging to reflect a recipe.
- Cutting and preparing recipes safely.
- Using equipment safely, including knives, hot pans and hobs.
- Knowing how to avoid cross-contamination.
- Following a step-by-step method carefully to make a recipe.
- Identifying the nutritional differences between different products and recipes.
- Identifying and describing healthy benefits of food groups.

Music

Pulse and Rhythm -

- A topic of discovery; children will explore the rainforest through music and be introduced to new musical terms.
- They will also use a mixture of body percussion and tuned percussion instruments as the children create their own rhythms of the rainforest, layer by layer.

Overall performance -

• children are introduced to musical theatre, learning how singing, acting and dancing can be combined to give an overall performance, as well as exploring how music can be used to tell a story, learning about performance aspects as they use songs to convey emotions

Skills and Media	Key knowledge:	
 Awareness of scale, composition and proportion in drawings. Mark making, blocking of colour and patterns/textures, washes, colour mixing. Mix and match colours to create atmosphere and light effects. Media and materials – watercolours, acrylic paints 	 To understand where meat comes from - learning that beef is from cattle and how beef is reared and processed, including key welfare issues. To know that I can adapt a recipe to make it healthier by substituting ingredients. To know that I can use a nutritional calculator to see how healthy a food option is. To understand that 'cross-contamination' means that bacteria and germs have been passed onto ready-to-eat foods and it happens when these foods mix with raw meat or unclean objects. 	
Computing	Physical Education	MFL
Creating images in a drawing program by using layers and groups of objects Colorian in prices.	 Understand and demonstrate the difference between sprinting and distance running; sustain their pace and effort for short periods of time; 	 Learn names of pets. Have a conversation about pets describing what pets you have and don't have. Conduct a survey about other people's pets. Opinions about pets including linkage phrases like
Exploring selection in programming to design and code an interactive quiz	 demonstrate a range of throwing actions using modified equipment, with some accuracy and control; demonstrate a range of simpler jumping skills in different activities; identify activities that need more power or more stamina; with guidance, take different roles, eg recorder; explain some of the similarities and differences between different throws or jumps. 	 'à mon avis', 'par contre', 'je pense que'. Write a description of a pet including size, age, colour, personality. Encourage using a dictionary for new adjectives. Learn the name of some wild animals and describe. Begin to use qualifiers with confidence. Listen to and appreciate 'Le Carnaval des Animaux' by Saint Saens. Show understanding of 'Les quatre amis' story. Design comic strips based on the story and share
	 To learn the key movements of the DDMIX Arabic dance, demonstrating clear dynamics. To link key movements to form the DDMIX Arabic dance. Choreograph an Arabic dance sequence, focusing 	with the class.

on contrasting dynamics

sequence.

Apply a choreographic device to an Arabic dance

	and devised movem Perform an Arabic d dynamics and expres Gymnastics Performing shapes To use a squat on To travel across ap To perform a squate To perform a strade To perform a vault	ance using contrasting ssion. s when dismounting vault to mount a vault oparatus at different heights t through on a vault dle on a vault routine	
Relationships Recognising Me Safety with Online Communities Being with Online Communities Being in an Online Community Online Gaming My Relationship with Technology: Screen		Religious Education Islam (living) What does it mean to be a Muslim in Britain today? Make connections between Muslim practice of the Five Pilla about God and the Prophet Muhammad. Describe and reflect on the significance of the Holy Qur'an to Describe the forms of guidance a Muslim uses and compare guidance experienced by the pupils. Make connections between the key functions of the mosque Muslims.	o Muslims. them to forms of
Changing Me		Why do Christians believe that Jesus is the Messiah?	