

Year 5 Curriculum Overview



Curriculum Overview for Year 5



Spelling Solve problems involving multiplication and division, including scaling by simple Add prefixes and suffixes to spell many words correctly fractions and problems involving simple rates Spell many KS1, Y3/4 and Y5/Y6 common exception words correctly Multiply and divide whole numbers and those involving decimals by 10, 100 and Editing 1,000 Assess the effectiveness of their own and others' writing by proposing changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning Measurement Ensuring the consistent and correct use of tense throughout a piece of writing • Measure and calculate the perimeter of composite rectilinear shapes in centimetres Proofread for spelling and punctuation errors and metres Perform their own compositions, using appropriate intonation, volume, and movement so Calculate and compare the area of rectangles (including squares), and including that meaning is clear using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes History Science Geography **Physical Geography Changing Materials** Around 2,000 years ago, Britain was ruled by Know that some materials will dissolve in liquid to • Map work showing how countries boundaries • form a solution, and describe how to recover a have changes due to military advancement. tribes of people called the Celts In AD 43, Britain was invaded by Romans, who substance from a solution. ٠ landed on the beaches of Kent. • Use knowledge of solids, liquids and gases to Human decide how mixtures might be separated, Comparison of roads and cities during Roman, AD 43 to AD 410: Roman Empire in Britain • including through filtering, sieving and Anglo-Saxon and Viking periods. Boudicca led an uprising against the Roman . occupation. She was defeated in 61AD. evaporating. Give reasons, based on evidence from Many Roman structures can still be seen in cities ٠ ٠ comparative and fair tests, for the particular uses across Britain. The Romans' presence is still of everyday materials, including metals, wood and evident in York. plastic. The names of many Roman settlements still exist Demonstrate that dissolving, mixing and changes The laws and ways we determine what to do with ٠ of state are reversible changes. someone who is accused of breaking a law came Explain that some changes result in the formation • originally from the Roman Empire. of new materials, and that this kind of change is Emperor Hadrian built Hadrian's Wall along the not usually reversible, including changes border between modern day Scotland and England in 122AD. This was to keep out the associated with burning and the action of acid on bicarbonate of soda. Barbarians of the North. 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 ٠ four kingdoms – Northumbria, Mercia, East Anglia and Wessex. 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

• The Viking Age in Britain began about 1,200 years		
ago in the 9th Century AD and lasted for just over		
200 years.		
Art	Design Technology	Music
Artist Study : Antoni Gaudi		
Isaiah Zagar	Food - Celebrating Culture and Seasonality	Rhythm and Blues
	 Make, decorate and present the food product appropriately for the intended user and purpose. Children use first hand and secondary sources to carry out relevant research into existing products to include personal/cultural preferences, ensuring a healthy dist. mosting distant pages and the 	 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 create an improvised piece with a familiar, repetitive backing.
<image/> <image/> <list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item>	 a healthy diet, meeting dietary needs and the availability of locally sourced/seasonal/organic ingredients. This could include a visit to a local bakery, farm, farm shop or supermarket e.g. What ingredients are sourced locally/in the UK/from overseas? What are the key ingredients needed to make a particular product? How have ingredients been processed? What is the nutritional value of a product? Techniques could be practised following a basic recipe to prepare and cook a savoury food product. Evaluate how effectively their designed food product met the design brief and how successful the product they produced tastes. 	 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 Bra

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 APPETIT/BONNE SANTE
- 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 ide	eas that will improve performance
	P.S.H.E and Character Education	Religious Education
	 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 	 Existence of God Define the terms theist, atheist and agnostic and give examples of statements that reflect these beliefs (B1) Give two reasons why a Christian believes in God and one why an atheist does not (A3). Outline clearly a Christian understanding of what God is like, using examples and evidence (A2). Give examples of ways in which believing in God is valuable in the lives of Christians, and ways in which it can be challenging (B2). Express thoughtful ideas about the impact of believing or not believing in God on someone's life (B1). Present different views on why people believe in God or not, including their own ideas (C1) Explain how Christians sometimes disagree about what God is like, giving examples ofhow they interpret texts differently (B3). Enquire into what some atheists, agnostics and theists say about God, expressing their own ideas and argument
Spring	This term is science themed -Space English Short Extracts - Swallows and Amazons (Archaic) Image: Class novel Image: Class novel Image: Class novel	 Maths Multiplication and division Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers Multiply and divide numbers mentally drawing upon known facts Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context Fractions (including decimals and percentages) Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, 2 /5 + 4/5 = 6/5 = 1 1/5] Compare and order fractions whose denominators are all multiples of the same number Add and subtract fractions with the same denominator and denominators that are multiples of the same number

 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 In narratives, Develop and keep characters consistent through description * 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 rame XE (6) 		 Multiply proper fraction materials and diagrams Read, write, order and c Read and write decimal Recognise and use thous equivalents Round decimals with two decimal place Recognise the per cent so of parts per hundred', and as a decimal Solve problems which rec, 1 /4, 1 /5, 2/5, 4 /5 a 25 	s and mixed numbers by whole numbers, supported by ompare numbers with up to three decimal places numbers as fractions [for example, = 71/100 sandths and relate them to tenths, hundredths and decimal o decimal places to the nearest whole number and to one symbol (%) and understand that per cent relates to 'number nd write percentages as a fraction with denominator 100, equire knowing percentage and decimal equivalents of 1/2 nd those fractions with a denominator of a multiple of 10 or
 History The Moon Landing in 1969 was manned by Neil Armstrong and Buzz Aldrin. Recall important events in space travel Understand that space exploration is relatively new, building on theories from Ancient Greece 	Science 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		 Geography The seasons are caused by the tilt of the Earth's rotational axis away or toward the sun as it travels through its year-long path around the sun. Locations near the centre of the Earth are known to lie on the Equator. Countries in the northern area above the Equator are said to be in the Northern hemisphere and those below, in the Southern Hemisphere. When the Northern hemisphere experiences Summer, the southern Hemisphere experiences the Winter.
	straight lines. Use the idea that to explain that ob give out or reflect Use the idea that to explain why sha as the objects tha	light travels in straight lines jects are seen because they light into the eye. light travels in straight lines adows have the same shape t cast them, and to predict	

	 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. 	
ArtArtist study:Salvador Dali - Surrealism (incent Van Gogh 'Starry Night' tija Celmins 'Night Sky')Image: Image:	 Frame Structures Designing, making and evaluating a frame structure fit for a purpose. Children investigate and make annotated drawings of a range of portable and permanent frame structures, e.g. tents, bus shelters, umbrellas. Use photographs and web-based research to extend the range e.g. How well does the frame structure meet users' needs and purposes? Why were materials chosen? What methods of construction have been used? How has the framework been strengthened, reinforced and stiffened? How does the shape of the framework affect its strength? How innovative is the design? When was it made? Who made it? Where was it made? Children should produce a detailed, step-by-step plan, listing tools and materials. Children's sketches should be annotated with notes to help develop and communicate their ideas. Encourage children to model their ideas first using materials such as paper, card and paper straws 	 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	Physical Education Dance	MFL
Selection in physical computing	 Learn the key movements of the DDMIX Line dance, demonstrating clear dynamics. 	Different types of music.Express opinions using 'c'est'.

Exploring conditions and selection using a programmable microcontroller.

Flat-file databases

- Using a database to order data and create charts ٠ to answer questions
- 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, ٠ 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, eq someone to catch the ball • when it is hit, someone to feed them;
- ٠ 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 ٠ exercises safely; • recognise when they and others are playing well and identify why, with help Striking and Fielding Play the games, but may need extra support; hit a ball bowled sympathetically to them; ٠ play a range of roles in a fielding team, but with varying degrees of success; know the basic rules: ٠ understand the need for different tactics; ٠ recognise that it is important to warm up and carry ٠ out exercises safely and carefully; ٠ recognise why some practices help to improve their play. Swimming P.S.H.E and Character Education **Religious Education Teachings of Jesus Dreams and Goals** Make connections between some of Jesus' teachings and the way Christians live • When I Grow Up today • Investigate Jobs and Careers

- Conduct a survey about people's music • preferences.
- Use formal and informal question forms.
- Understand more complex sentences. ٠
- Perform a role play about buying a cd/music poster.
- ٠ 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. •

Easter

Use as a way to revise general conversation • previously taught.

 My Dream Job. Why I want it and the Ste Dreams and Goals for Young People in O How Can We Support Each other? Rallying Support Healthy Me Smoking Alcohol Emergency Aid Body Image My Relationship With Food 	eps to Get There.)ther Cultures	 Discuss their own ideas about the importance of values to live by, comparing them to Christian ideas Outline Jesus' teaching on how his followers should live Offer interpretations of two of Jesus' parables and say what they might teach Christians about how to live Explain the impact Jesus' example and teachings might have on Christians today Express their own understanding of what Jesus would do in relation to a moral dilemma from the world today Explain the links between Jesus' death on the cross and Christian belief in love and forgiveness, giving reasons why Christians want to follow Jesus Investigate and explain the challenges of following Jesus' teaching about love, forgiveness, justice and/or generasity, expressing their own ideas
I his term is geography themed -		
English	n	Maths
Literacy driver Short ExtractsThe		Fractions (including decimals and percentages)
The Rainforest Jungle Book (Archaic		 Solve problems involving number up to three decimal places
Language)		Read write order and compare numbers with up to three decimal places
(Archaic/resistant)		Recognise and use thousand the and relate them to tenths, hundred the and
Pax (Complexity of		 Recognise and use thousand its and relate them to tentils, indicated its and desired equivalents
Narrator)		decimal equivalents
Bob Cox – Moon		
Seeds – The First		Geometry – properties of shape
Men on the Moon (P87)		 Identify: –angles at a point and one whole turn (total 360°) –angles at a point on
(107)		a straight line and 1 2 a turn (total 180°) –other multiples of 90°
		• Know angles are measured in degrees: estimate and compare acute, obtuse and
		reflex angles
		 Draw given angles and measure them in degrees (°)
		 Use the properties of rectangles to deduce related facts and find missing lengths
		• Ose the properties of rectangles to deduce related facts and find finishing lengths
		and angles
		 Distinguish between regular and irregular polygons based on reasoning about
Class novel		equal sides and angles
		Identify 3D shapes, including cubes and other cuboids, from 2D representations
Journey &		
River		Geometry – position and direction
Sea 🚽		• Identify, describe and represent the position of a shape following a reflection or
		translation, using the appropriate language, and know that the shape has not
		changed
Handwriting		Macaurament
Write neatly at nace for ovtended neriods		ivieasurement
Composition		Convert between different units of metric measure (for example, kilometre and
	diamana kaldan suidan (11, 1, 1)	metre; centimetre and metre; centimetre and millimetre; gram and kilogram;
write effectively for a range of purposes and aud	liences, taking guidance and inspiration	litre and millilitre)
from a worked example and WAGOLL.		
Use relative clauses , sometimes omitting the relative	ative pronoun	

Summer

Begin to create atmosphere, and integrate dialogue to conve action. Select precise vocabulary and grammatical structures that re- required mostly correctly. Knowing how to make writing succinct by using precise gram engage the reader, sometimes showing and not telling. Punctuation Use commas for clarity mostly correctly Use some punctuation for parenthesis (brackets, commas an	ey character and advance the flect the level of formality imar and punctuation to ind dashes)	 Use all four operation length, mass, volum Understand and use common imperial un Solve problems involume [for cubes)] and capacity 	ons to solve problems involving measure [for example, i.e., money] using decimal notation, including scaling e approximate equivalences between metric units and nits such as inches, pounds and pints olving converting between units of time or example, using 1 cm3 blocks to build cuboids (including y [for example, using water]
 History Henry Walter Bates was an English naturalist and explorer – he travelled the Amazon collecting examples of birds and insects. 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 	Scie Animals (Inclu Describe the differen mammal, an amphibi Describe the life proc plants and animals. Living things and their habitat Identify how plants a humans, resemble th Construct and interpridentifying producers Describe the life cycle animals, including hu development, reprod variety of plants (grow	t nding humans) ices in the life cycles of a ian, an insect and a bird. icess of reproduction in some t nd animals, including ieir parents in many features. ret a variety of food chains, s, predators and prey. es common to a variety of mans (birth, growth, luction, death), and to a wth, reproduction and death).	Geography A rainforest is an area of tall, mostly evergreen trees and a high amount of rainfall. They are the oldest living ecosystems, with some surviving in their present form for at least 70 million years. • Rainforests are incredibly diverse and complex, home to more than half of the world's plant and animal species. • Rainforests thrive on every continent except Antarctica. • Rainforests are structured in four layers: emergent, canopy, understorey and forest floor – within each of these layers, different plants and animals exist. • Rainforests have been home to thriving, complex communities for thousands of years - each with a colourful lifestyle and culture .e.g Mbuti tribe in Central Africa and Yanomamo in the northern Amazon rainforest. • Rainforests have many benefits – ecological well-being of our planet, they produce 20% of our oxygen, store a huge amount of CO2, drastically reducing the impact of greenhouse emissions. They help to maintain the world's water cycle, more than 50% of precipitation in a rainforest is returned to the atmosphere by evapotranspiration, helping regulate rainfall around the planet. • Rainforests provide us with many products that we use everyday. E.g tropical woods, bamboo, cinnamon, vanilla, bananas, mangos and cocoa. They also provide us with many medicinal products. • Threats to rainforests – rainforests are reducing at an alarming rate due to human development e.g logging, cattle ranching, mining, hydro-electric power projects. Economic inequalities also fuel rapid deforestation as locals are motivated to convert forests to farm land. • Many individuals, communities, governments and organisations are taking innovative approaches to protect threatened habitats. Wildlife organisations work to reduce the use of resources from the rainforest to prevent further deforestation e.g Chester Zoo and Palm Oil use.

Arist study: Abel Rodriguez (elder from Nonuya ethnic group in Colombian Amazon) John Dyer 'Spirit of the rainforest' project with Nixiwake Yawanawa John Dyer 'Spirit of the rainforest' project with Nixiwake Yawanawa Henri Rousseau 'Tiger in a tropical storm' Stills and Media Fine brushes, block paints/powder paints, acrylic paint Use of brush and techniques to create different affects. Colour /tonse size share line 	 Design Technology Mechanical Toys (CAMS) - Discuss with the children different types of movement: rotary, oscillating and reciprocating. Make simple models of different types of cams or have toys in which the cam mechanisms can be seen. Use videos, photographs and computer animations of products that cannot be explored through first-hand experience. Develop measuring, marking, cutting, shaping and joining skills using saws and drills. Evaluate throughout and the final product in use, comparing it to the original design specification. Critically evaluate the quality of the design, the manufacture, functionality, innovation shown and fitness for the intended user and purpose. 	 Rainforests are often the source of many stories and myths. Rainforests have been a stimulus for artists, musicians and dancers for centuries. 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
effects. Colour /tones, size, shape, line Drawing Oil pastels, Posca pens Colour, shape, line, shade		
Computing	Physical Education	MFL
 Creating images in a drawing program by using layers and groups of objects 	 Athletics Understand and demonstrate the difference between sprinting and distance running; 	 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.

Selection in quizzes	• sustain their pace and eff	ort for short periods of	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, <i>eg recorder</i>; 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 with the class.
	 To learn the key movemed dance, demonstrating cle To link key movements to dance. Choreograph an Arabic don contrasting dynamics Apply a choreographic desequence. Create an Arabic dance so and devised movements. Perform an Arabic dance dynamics and expression 	ents of the DDMIX Arabic aar dynamics. b form the DDMIX Arabic ance sequence, focusing evice to an Arabic dance equence by linking given using contrasting	
	 Gymnastics Performing shapes when dismounting vault To use a squat on to mount a vault To travel across apparatus at different heights To perform a squat through on a vault To perform a straddle on a vault To perform a vault routine 		
P.S.H.E and Character Education	n		Religious Education
 Relationships Recognising Me Safety with Online Communities Being with Online Communities Being in an Online Community 		 Describe the Five Pilla everyday lives of Mus Identify three reasons makes a difference to 	rs of Islam and give examples of how these affect the lims why the Holy Qur'an is important to Muslims, and how it how they live

Online Gaming	Make connections between Muslim practice of the Five Pillars and their beliefs
 My Relationship with Technology : Screen Time 	about God and the Prophet Muhammad
 Relationships and Technology 	 Describe and reflect on the significance of the Holy Qur'an to Muslims
	 Describe the forms of guidance a Muslim uses and compare them to forms of
Changing Me	guidance experienced by the pupils
Self and Body Image	Make connections between the key functions of the mosque and the beliefs of
Puberty for Girls	Muslims
Puberty for Boys	Comment thoughtfully on the value and purpose of religious practices and rituals
Conception	in a Muslim's daily life
 Looking Ahead 1 	 Answer the title key question from different perspectives, including their own
Looking Ahead 2	