

Year 4 Curriculum overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Art	<p>Topic: Sculpture-History link Mythical creatures</p> <p>Knowledge: Ancient Greek art and culture</p> <p>Skills: Use a sketchbook to record preparatory work Pull a shape from clay Add texture</p>	<p>Topic: Printing-History link-Greek motifs</p> <p>Knowledge: Know about Ancient Greek design</p> <p>Understand how to improve work</p> <p>Skills: Collect ideas and develop a plan Create a printing block Create a pattern</p>	<p>Topic: Drawing-Architecture</p> <p>Knowledge: Describe key work, ideas and practices of artists architects and designers</p> <p>Skills: Use a sketchbook to collect ideas and develop a plan Develop drawing techniques Select techniques to represent texture</p>	<p>Topic: Drawing-portraits</p> <p>Knowledge: Correct proportion of human face/shape of features</p> <p>Skills: Apply skills-hatching/cross hatching Use colour washes and blocks of solid colour</p>	<p>Topic: Painting-Picasso</p> <p>Knowledge: Know about the work of great artists Understand how choice of subject, technique and colour create mood and feeling</p> <p>Skills: Refine mark making for effect – hair/eyes Create mood Mix secondary colours</p>	
Computing	<p>Topic: Online Safety</p> <p>Knowledge: SMART rules revisited with focus on identify theft and digital footprint</p> <p>Concept of plagiarism</p> <p>Balance of screen time</p> <p>Skills: Applying SMART rules Researching Recording</p>	<p>Topic: Coding</p> <p>Knowledge: Understand and use variables in 2code</p> <p>Design algorithms including selection</p> <p>Use 'repeat until' with variables and begin to understand the terms</p> <p>decomposition and abstraction</p> <p>Skills: Designing and writing code Debugging</p>	<p>Topic: Effective searching</p> <p>Knowledge: Recognise online reliability</p> <p>Use key terms when searching</p> <p>Recognise how results are ranked</p> <p>Skills: Researching Recording Typing Sorting and analysing results</p>	<p>Topic: Spreadsheets</p> <p>Knowledge: Application of maths percentage, decimal and fraction equivalence</p> <p>Skills: Formatting cells Creating formulas to make calculations</p>	<p>Topic: Logo</p> <p>Knowledge: Input simple instructions Use of repeat function Building procedures</p> <p>Skills: Application of maths angles and shape</p> <p>Topic: Animation</p> <p>Knowledge: Applying understanding of background, sound and other</p>	<p>Topic: Hardware Investigators</p> <p>Knowledge: Identify different parts of a computer and their purpose</p> <p>Skills: Recognising pieces of hardware</p>

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					elements to an animation. Skills: Onion skinning Stop motion Sharing	
DT	Topic: Healthy eating Knowledge: Making a healthy lunch Skills: Slicing, grating, cutting, peeling, sauté simmering and baking Using instructions Measuring & weighing ingredients accurately	Topic: Money containers Knowledge: Designing for a purpose Exploring fastenings Developing knowledge of stitches Skills: Planning for a purpose Making prototypes Developing a range of stitches for a purpose Using an appropriate fastener	Topic: Lanterns Knowledge: Designing for a purpose Creating a light using a circuit Skills: Problem solving Planning for a purpose Accurate measuring, cutting and joining Fixing components to a product			
English	Transition task: Partly Cloudy (Literacy Shed) Text: Leon and the Place Between (Response to text) Fictional story writing Developing vocabulary Expanded noun phrases Fronted adverbials Topic: Non-chronological report writing (Talk for writing)	Topic: Fictional story writing Cross-Curricular focus: Greeks (Talk for writing) Developing settings, characters and plots Using different sentence structures Using organisational devices/ paragraphs Class Reader: Cloud Busting by Malorie Blackman	Text: Mr Bear and the Bear (Response to text) Fictional writing Maintaining viewpoint Formality Paragraphs Devices for cohesion Topic: Explanation Writing Chocolate making (Talk for writing) Exploring sentence structures Formality	Text: The Butterfly Lion (Response to text) Fictional Writing Speech punctuation Describing settings Class Reader: The Butterfly Lion by Michael Morpurgo	Topic: Fictional story writing Creating Suspense Alma clip (Talk for writing) Developing suspense through setting & character Subordination Using organisational devices/ paragraphs Class Reader: Julius Caesar – A Shakespeare Story by Andrew Matthews and Tony Ross	Text: Journey to Jo'burg (Response to text) Variety of writing purposes Write a report about apartheid Poetry: Apartheid Speaking and listening Performance poetry Transition task: La Luna (Literacy Shed)

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	<p>Using organisational devices/ paragraphs Cohesion Developing oracy</p> <p>Class Reader: Bill's New Frock by Anne Fine</p>	<p>Paragraphs, including closing paragraphs</p> <p>Class Reader: The Dark Lord the Teenage Years by Jamie Thomson</p>		<p>Class Reader: Journey to Jo'Burg by Beverley Naidoo</p>
French	<p>Topic: Talking about pets Knowledge: Names of animals Adjectives of colour and size Verb: to have Verb: to be Skills: Ask and answer a range of questions Read and pronounce familiar words and phrases accurately Construct accurate sentences using adjectives</p>	<p>Topic: Birthdays Knowledge: Months of the year Numbers 13-31 Asking and answering questions about birthdays Talking about the date Negative sentence structure Verb: to be Skills: Ask and answer a range of questions Read and pronounce familiar words and phrases accurately</p>	<p>Topic: Weather Knowledge: Asking about the weather Describing the weather Verb: to do Verb: to have Skills: Ask and answer a range of questions Read and pronounce familiar words and phrases accurately Construct accurate sentences using adjectives</p>	
History and Geography	<p>Topic: Ancient Greeks Knowledge: An understanding of where and when Ancient Greece was The importance of Gods and religion Daily life in Ancient Greece Greek myths Key battles Greek legacy Skills: Chronology Historical enquiry</p>	<p>Topic: Europe and France Knowledge: Areas in the UK- cities, counties, regions Physical and human features Countries in Europe France and the different areas – city life, Alps and southern France Comparison to the UK. Skills: Using atlases and 4/6 figure grid references on an OS map - Lake District</p>	<p>Topic: Romans Knowledge: The Celts Why the Romans invaded Life in the Roman army Boudicca's revolt Roman legacy. Skills: Chronology Historical enquiry Interpretations of the past Trips/enrichment opportunities: Romans day</p>	

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Maths (Fluency, problem solving and reasoning included in all topics)	Topic: Place Value Place value of 4 digit numbers Ordering, comparing and rounding 1000 more or less than a given number Counting on/back through 0	Topic: Multiplication & Division Understanding multiplying by 1 and 0 Understanding dividing by 1 and itself Multiplying and dividing by 10 and 100 Multiplication and Division written methods Learn 6, 7 and 9 multiplication tables and their related division facts	Topic: Multiplication & Division Learn 11 and 12 multiplication tables and their related division facts Multiply 3 single digits Factor pairs Written multiplication and division methods Efficiency	Topic: Decimals Understanding tenths and hundredths and how to write as decimals Using number lines and place value grids Dividing by 10 and 100 Making 1 whole Writing decimals Comparing & ordering Rounding Halves & quarters	Topic: Money Pounds and pence Ordering amounts of money Estimate amounts Solve problems applying the 4 operations	Topic: Geometry Identifying angles (acute, obtuse and right angles) Comparing and ordering angles Types of triangles Types of quadrilaterals Lines of symmetry Complete a symmetrical figure Describing position Draw on a grid Move on a grid Describe movement on a grid
	Topic: Addition and subtraction Use place value to add and subtract Addition and subtraction written methods, including those with exchanges Estimate by rounding Checking strategies	Topic: Measure Understanding kilometers and converting between meters and kilometers Perimeter on a grid Perimeter of rectangles and rectilinear shapes	Topic: Fractions What is a fraction? Equivalent fractions Fractions greater than 1 whole Counting in fractions Adding and subtracting fractions with the same denominator Subtracting from a whole Fractions of quantities		Topic: Statistics Interpret discrete and continuous data Introduction to line graphs	Topic: Time Hours minutes and seconds Years, months, weeks and days Analogue to digital time (12 hrs) Analogue to digital time (24 hrs)
						Topic: Number Roman numerals (linked to Roman topic)

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Music	<p>Topic: Performance – Harvest production Knowledge and skills: Ensemble singing with confidence Performance appraisal Cross curricular link: PSHE</p> <p>Topic: Composers – Ravi Shankar Knowledge and skills: Listen and reflect on a piece of orchestral music Use appropriate musical vocabulary Improvise their own piece of music Perform as an ensemble</p>	<p>Topic: Environment Knowledge and skills: Understand timbre Use appropriate musical vocabulary Evaluate a variety of pieces of music Compose short pieces in groups</p>	<p>Topic: Around the world Knowledge and skills: Explore pitch Follow simple notation Explore pentatonic melodies and syncopated rhythms Learn that the dimensions of music are the same across the world Cross curricular link: Geography</p>
RE	<p>Topic: Creation-The Creation Story Knowledge: Understand the Christian creation story Understand what the Creation story means to Christians Skills: Communicate Apply Enquire Contextualise Evaluate</p>	<p>Topic: Creation-The Creation Story Knowledge: Understand the Christian creation story Understand what the Creation story means to Christians Skills: Communicate Apply Enquire Contextualise Evaluate</p> <p>Topic: Messages-Jesus' teachings Knowledge: Understand why some stories have a moral message Understand why Jesus gave his followers messages Understand and interpret messages told in Bible stories Skills: Communicate Apply Enquire Contextualise Evaluate</p>	<p>Topic: Ritual-Paschal Candle Knowledge: Know the meaning of ritual Understand the difference between ritual and routine Know what the Paschal Candle is and why is important to Christians Skills: Communicate Apply Enquire Contextualise Evaluate</p> <p>Topic: Symbols-Stones Knowledge: Understand why Buddhists use stones and symbols Understand what stones represent to Buddhists Skills: Communicate Apply Enquire Contextualise Evaluate</p> <p>Topic: Dukkha-Buddhist Teachings Knowledge: Understand Dukkha Explain what Buddha meant by Dukkha and the importance it plays in Buddhist beliefs Skills: Communicate Apply Enquire Contextualise Evaluate</p>

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PSHE	Topic: Vision and Values Knowledge: Rules and Routines Health and safety Mental Health and wellbeing Growth Mindset - The power of yet Skills: Setting goals Resilience Active listening Learning from experiences	Topic: Anti – bullying Knowledge: Link to anti-bullying week Understanding what bullying is Developing strategies for dealing with bullying Skills: Recognising and utilising strategies for managing pressure, persuasion and coercion and the need for peer approval Evaluating social norms	Topic: Citizenship and British values Knowledge: Explore my role within the community Understand decision making in the community Understanding democracy Explore how and why rules are made and enforced Understand how to take part in making and changing rules Visit to Lord Mayor and Council Chambers Skills: Analysis (including separating fact from opinion) Planning and deciding Team-working Negotiation	Topic: Effects of drugs and alcohol Knowledge: Difference between medicine and drugs Effects of smoking Effects of alcohol Peer pressure and decision making Skills: Recognising and utilising strategies for managing pressure, persuasion and coercion and the need for peer approval Identification, assessment (including predication) and management of risk Making decisions	Topic: Keeping Safe Knowledge: Road safety - stop, look, listen, think Water safety - safe swimming Calling for help Skills: Identification, assessment (including predication) and management of risk Planning and deciding
PE	Topic: Personal Knowledge: I can persevere with a task Skills: Coordination (10) Static Balance (1)	Topic: Social Knowledge: I can guide a small group Skills: Dynamic Balance to Agility (6) Static Balance (2)	Topic: Cognitive Knowledge: I can use awareness of space to make good decisions Skills: Dynamic Balance (5) Coordination (9)	Topic: Creative Knowledge: I can develop sequences that express my own ideas Skills: Coordination (8)	Topic: Physical Knowledge: I can perform a variety of skills with good body tension Skills: Agility (12) Static Balance (3)

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				Counter Balance (7)		
	Topic: Real Gym (Personal) Knowledge: I can cope well and react positively to challenge Skills: Balance & Rotation	Topic: Dance (Monsters) Knowledge: I can make actions and sequences of movements Skills: Travel, Balance & Mirroring	Topic: Real Gym (Cognitive) Knowledge: I can link actions and develop sequences that express my own ideas Skills: Flight & Travel	Topic: Real Dance (Creative) Knowledge: I can recognise similarities and differences in movements and expression Skills: Shapes, Partnering & Artistry	Topic: Physical (Tennis/Cricket) Knowledge: I can transfer and apply skills Skills: Agility (12) Static Balance (3)	Topic: Health & Fitness (Athletics) Knowledge: I can transfer and apply skills Skills: Agility (11) Static Balance (4)
Science	Topic: States of matter Knowledge: Compare and group materials together, according to whether they are solids, liquids or gases Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius ($^{\circ}\text{C}$) Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature Skills: Making prediction Setting up tests Recording data	Topic: Sound Knowledge: identify how sounds are made, associating some of them with something vibrating Recognise that vibrations from sounds travel through a medium to the ear Find patterns between the pitch of a sound and features of the object that produced it Find patterns between the volume of a sound	Topics: Living things and their habitats Knowledge: Recognise that living things can be grouped in a variety of ways Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment Recognise that environments can change and that this can sometimes pose	Topic: Animals including humans Knowledge: Describe the simple functions of the basic parts of the digestive system in humans Identify the different types of teeth in humans and their simple functions Construct and interpret a variety of food chains, identifying producers, predators and prey Skills: Making predictions Interpreting and	Topic: Electricity Knowledge: Identify common appliances that run on electricity Construct a simple series electrical circuit, identifying and naming its basic parts Identify whether or not a lamp will light in a simple series circuit Recognise that a switch opens and closes a circuit Recognise some common conductors and insulators, and associate metals	

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		<p>and the strength of the vibrations that produced it</p> <p>Recognise that sounds get fainter as the distance from the sound source increases</p> <p>Skills:</p> <p>Asking questions Observing and measuring</p>	<p>dangers to living things</p> <p>Skills:</p> <p>Asking questions Interpreting and communicating results</p>	<p>communicating results</p>	<p>with being good conductors</p> <p>Skills:</p> <p>Making predictions Evaluating</p>
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