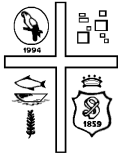




Year 5 Yearly overview

Subject	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Maths	<p>Place Value</p> <ul style="list-style-type: none"> Roman Numerals to 1000 Numbers to 10,000 Numbers to 100,000 Numbers to 1,000,000 Read and Write Numbers to 1,000,000 Powers of 10 10/100/1000/10,000/100,000 more or less Partition numbers to 1,000,000 Number line to 1,000,000 Compare and order numbers to 100,000 Compare and order numbers to 1,000,000 Round to nearest 10, 100 or 1000 Round within 100,000 Round within 1,000,000. <p>Addition and Subtraction</p> <ul style="list-style-type: none"> Mental strategies Add whole numbers with more than 4-digits Subtract numbers with more than 4-digits. Round to check answers Inverse operations (addition & subtraction) Multi-step addition & subtraction problems Compare calculations Find missing numbers. <p>Multiplication and division A</p> <ul style="list-style-type: none"> Multiples Common Multiples Factors Common Factors Prime Numbers Square numbers Cube numbers Multiply by 10, 100 & 1000 Divide by 10, 100 & 1000 	<p>Multiplication & Division A</p> <ul style="list-style-type: none"> Square numbers Cube numbers Multiply by 10, 100 & 1000 Divide by 10, 100 & 1000 Multiples of 10, 100 & 1000. <p>Fractions A</p> <ul style="list-style-type: none"> Fractions equivalent to unit fraction Fractions equivalent to non-unit fraction Recognise equivalent fractions Convert improper fractions to mixed numbers Convert mixed numbers to improper fractions Compare fractions less than 1 Order fractions less than 1 Compare & order fractions greater than 1 Add and subtract fractions with same denominator Add fractions within 1 Add fractions greater than 1 Add to mixed number Add 2 mixed numbers Subtract fractions Subtract from mixed number Breaking the whole Subtract 2 mixed numbers 	<p>Multiplication and division B</p> <ul style="list-style-type: none"> Multiply 4-digit by 1-digit number Multiply 2-digit by 2-digit number (area model) Multiply 2-digit by 2-digit number Multiply 3-digit by 2-digit number Multiply 4-digit by 2-digit number Multiplication problems Short division Divide 4-digit by 1-digit number Divide with remainders Efficient division Multiplication & division problems <p>Fractions B</p> <ul style="list-style-type: none"> Multiply unit fraction by integer Multiply non-unit fraction by integer Multiply mixed-number by integer Fraction of quantity Fraction of amount Find the whole Fractions as operators 	<p>Decimals and percentages</p> <ul style="list-style-type: none"> Decimals up to 2 decimal places Equivalent fractions & decimals (tenths) Equivalent fractions & decimals (hundredths) Equivalent fractions & decimals Thousandths as fractions Thousandths as decimals Thousandths on place value chart Order and compare decimals (same number of decimal places) Order and compare decimals to 3 decimal places Round to nearest whole number Round to 1 decimal place Understand percentages Percentages as fractions Percentages as decimals Equivalent fractions, percentages and decimals <p>Perimeter and area</p> <ul style="list-style-type: none"> Perimeter of rectangles Perimeters of rectilinear shapes Perimeter of polygons Area of rectangles Area of compound shapes 	<p>Shape</p> <ul style="list-style-type: none"> Understand and use degrees Classify angles Estimate angles Measure angles up to 180° Draw lines and angles accurately Calculate angles around a point Calculate angles on a straight line Lengths and angles in shapes Regular and irregular polygons 3-D Shapes <p>Position and direction</p> <ul style="list-style-type: none"> Read & plot coordinates Problem solving with coordinates Translation Translation of coordinates Lines of symmetry Reflection in horizontal and vertical lines <p>Decimals</p> <ul style="list-style-type: none"> Add and subtract decimals within 1 Complements to 1 Add and subtract decimals across 1 Add decimals with same number of decimal place Add decimals with different numbers of decimal places Subtract decimals with different number of decimal places 	<p>Negative numbers</p> <ul style="list-style-type: none"> Understand negative numbers Count zero through 1s Count zero through multiples Compare and order negative numbers Find the difference <p>Converting units</p> <ul style="list-style-type: none"> Kilograms and kilometres Millimetres and millilitres Convert units of length Convert between metric and imperial units Convert units of time Calculate with timetables <p>Volume</p> <ul style="list-style-type: none"> Cubic centimetres Compare volume Estimate volume Estimate capacity



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	<ul style="list-style-type: none"> Multiples of 10, 100 & 1000. 			<ul style="list-style-type: none"> Estimate area <p>Statistics</p> <ul style="list-style-type: none"> Draw line graphs Read and interpret line graphs Two-way tables Read and interpret tables 	<ul style="list-style-type: none"> Efficient strategies for adding and subtracting decimals Decimal sequences Multiply by 10, 100 & 1000 Divide by 10, 100 & 1000 Multiply and divide decimals – missing values 	
English writing	<p><u>Silent Music – James Rumford</u> Calligraphy – non-chronological report Purpose: to inform Audience: anyone interested in the topic Ingredients: Title, subheadings, topic sentences, formal language, parenthesis, conjunctive adverbs, summary connectives</p> <p><u>The Golden Horsemen of Baghdad – Savior Pirotta</u> Instructions and Persuasion Purpose: to entertain Audience: anyone who wants to know how to create something Ingredients: chronological order, numbered steps, list of ingredients, imperative verbs, adverbs, technical vocabulary</p> <p><u>Black history week</u> Fact file Purpose: to inform Audience: anyone interested in the topic Ingredients: headings and subheadings, captions, rhetorical question, fronted adverbials, parenthesis</p>	<p><u>Early Islamic Civilisations</u> Diary entry Purpose: to express yourself Audience: yourself Ingredients: informal language, past tense, time conjunctions, adjectives, chronological order, emotive language</p> <p><u>Haiku and Senryu</u> Purpose: to entertain Audience: anyone interested in poetry Ingredients: Three lines, 17 syllables; nature (haiku), human nature (senryu)</p> <p><u>The Lost Things</u> <u>Shaun Tan</u> Fantasy narrative Purpose: to entertain Audience: those interested in fantasy Ingredients: Descriptive settings with expanded noun phrases, complex sentences, hero/heroine, quest.</p> <p><u>Christmas Narrative</u> Purpose: to entertain Audience: those interested in the topic Ingredients: Adverbs, expanded noun phrases, suffixes</p>	<p><u>French Revolution</u> Newspaper report Purpose: to inform Audience: anyone interested in the topic Ingredients: headline with a pun, subtitle, introductory paragraph with who, what, why, when, where; direct/reported speech, formal language, rhetorical question</p> <p><u>Children of the Benin Kingdom</u> Non-chronological report Purpose: to inform Audience: anyone interested in the topic Ingredients: Title, subheadings, topic sentences, formal language, parenthesis, conjunctive adverbs, summary connectives</p>	<p><u>World Book Week</u> (1 week)</p> <p><u>Henry's Freedom Box – Ellen Levine</u> Diary entry Purpose: to express yourself Audience: yourself Ingredients: informal language, past tense, time conjunctions, adjectives, chronological order, emotive language</p> <p><u>Renga Poetry</u> Purpose: to entertain Audience: anyone interested Ingredients: haiku and couplets; tsukeai (each verse related to the one before), mon and ji verses (adjectives and vivid imagery)</p>	<p><u>Oliver Twist – Charles Dickens</u> Playscript Purpose: to entertain Audience: actors/anyone interested in the genre Ingredients: stage directions, dialogue, adverbs, parenthesis (brackets), reporting clause, scene setting, theatre terms.</p> <p><u>Curiosity: The story of a Mars Rover</u> Expanded explanation Purpose: to inform Audience: anyone interested in the topic Ingredients: subject-specific vocabulary, fronted adverbials, subordinating conjunctions, adverbial clauses</p>	<p><u>Street Child – Bertie Doherty</u> Narrative Purpose: to entertain Audience: anyone interested in the genre Ingredients: Expanded noun phrases, connectives, adverbs, suffixes, emotive language</p> <p><u>Free Verse Poetry</u> Purpose: To entertain Audience: anyone interested in poetry Ingredients: metaphor, personification, onomatopoeia, simile, alliteration, idiom.</p> <p><u>Street through time – Steve Noon (DK)</u> Letter Purpose: to send information or greetings Audience: who the letter is addressed to Ingredients: date, name and address, connectives, colloquial language, closing statement, first person, paragraphs</p>
Reading	Each half term, word reading skills are taught alongside comprehension skills using the VIPERS.					



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Vocabulary –

- explore the meaning of words in context, confidently using a dictionary
- Discuss how the author's choice of language impacts the reader
- Evaluate the authors use of language
- Investigate alternative word choices that could be made
- Begin to look at the use of figurative language
- Use a thesaurus to find synonyms for a larger variety of words
- Re-write passages using alternative word choices
- Read around the word' and *explore its meaning in the broader context of a section or paragraph.

Inference –

- Drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence.
- Make inferences about actions, feelings, events or states
- Use figurative language to infer meaning
- Give one or two pieces of evidence to support the point they are making.
- Begin to draw evidence from more than one place across a text.

Prediction –

- Predicting what might happen from details stated and implies
- Support predictions with relevant evidence from the text.
- Confirm and modify predictions as they read on.

Explaining –

- Provide increasingly reasoned justification for my views
- Recommend books for peers in detail
- Give reasons for authorial choices
- Begin to challenge points of view
- Begin to distinguish between fact and opinion
- Identifying how language, structure and presentation contribute to meaning
- Discuss and evaluate how authors use language, including figurative language, considering the impact on the reader
- Explain and discuss their understanding of what they have read, including through formal presentations and debates.

Retrieval –

- Confidently skim and scan, and also use the skill of reading before and after to retrieve information.
- Use evidence from across larger sections of text
- Read a broader range of texts including myths, legends, stories from other cultures, modern fiction and archaic texts.
- Retrieve, record and present information from non-fiction texts.
- Ask my own questions and follow a line of enquiry.

Summarise –

- Summarising the main ideas drawn from more than one paragraph, page, chapter or the entire text identifying key details to support the main ideas.
- Make connections between information across the text and include this in an answer.
- Discuss the themes or conventions from a chapter or text
- Identify themes across a wide range of writing

Reading for pleasure

Books chosen by the class each year from the recommended reading list



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Grammar and Punctuation	<p>Each half term, we teach Grammar and Punctuation explicitly in a SPaG session and interwoven into our Literacy Lessons</p> <ul style="list-style-type: none"> -Expanded noun phrases -Subordinating conjunctions (AWHITEBUS) -Co-ordinating conjunctions (FANBOYS) -Past simple Past progressive -Present simple Present progressive -Past perfect Present perfect -Sentence types: Statement/Command/ Question/Exclamation -Adverbials (TRaMP) -Relative clauses and relative pronouns -Modal verbs -Aa.!? -Inverted commas -Commas to separate a list -Apostrophe for omission and possession -Commas for fronted adverbials -Commas for clarity -Parentheses -Dashes, Brackets, Commas -Hyphens 					
Spelling	<ul style="list-style-type: none"> ible/able ei/ie silent letter homophones ant/ent ce/cy 	<ul style="list-style-type: none"> ial' suffix 'ious' sion/tion cian suffixes f or ff 	<ul style="list-style-type: none"> ough hyphenated words word families prefixes homophones 	<ul style="list-style-type: none"> ably/ibly prefixes di/de il/al/el/le Yr5/6 spellings 	<ul style="list-style-type: none"> homophones common exception words 	<ul style="list-style-type: none"> 'ch' words 'ive' suffix 'ph' words soft 'c' words
PSHE Matters	Exploring emotions	Bullying Matters	Difference and diversity	Being healthy	Being responsible	Relationships
History	<p>Baghdad c.900 CE</p> <ol style="list-style-type: none"> 1. The Rise of Islam 2. Baghdad: A City of Peace 3. Baghdad: Building a City 4. Baghdad: A Centre for Learning in the Islamic Golden Age 5. The Mongol Attack on Baghdad and the Regional Powers. 	<p>The Early British Empire</p> <ol style="list-style-type: none"> 1. The British Empire 2. Global Trade 3. The Mughal Empire and East India Company 4. The Seven Years War 5. What motivated Britain to want an Empire? 	<p>The French Revolution</p> <ol style="list-style-type: none"> 1. Life in France before the Revolution 2. Louis XVI and Marie Antoinette 3. Napoleon 4. Battle of Trafalgar 5. Battle of Waterloo 	<p>The Transatlantic Slave Trade</p> <ol style="list-style-type: none"> 1. The Origins of the Transatlantic Slave Trade 2. The Atlantic Passage 3. Enslaved Africans: Treatment and Resistance 4. The Abolition of Slavery 	<p>The Industrial Revolution</p> <ol style="list-style-type: none"> 1. The Industrial Revolution 2. Cotton Production 3. Steam Engines and Trains 4. Iron and Coal 5. Children at Work 	<p>The Victorian Age</p> <ol style="list-style-type: none"> 1. The Reign of Queen Victoria and the British Empire 2. Victorian Cities 3. The Poor Law and the Workhouse 4. Leisure 5. Life by 1900



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				5. The Abolitionists: Clarkson, Wilberforce and Equiano		
Geography	Spatial Sense 1. Maps: dividing the world into sections. 2. Eastern and Western hemispheres 3. Maps: using coordinates to locate places. 4. Maps: drawn to different scales. 5. Relief maps	Mountains 1. Mountains 2. The Alps 3. The High Peaks of the Himalayas 4. American Mountains 5. African Mountains	UK Geography: East Anglia, The Midlands, Yorkshire and Humberside 1. East Anglia – Physical Geography 2. East Anglia Land Use 3. The Midlands – Settlements 4. Yorkshire and Humberside – Physical Geography 5. Yorkshire and Humberside – Human Geography	Australia 1. Australia- location and physical geography 2. The history of Australia 3. Settlements 4. Climate 5. Biodiversity	New Zealand and the South Pacific 1. New Zealand and the South Pacific- location and physical geography 2. The history of New Zealand- The Maori 3. Earthquakes 4. Climate 5. South Pacific Islands	Local Study 1. Geography of the local area 2. Sketch Maps (Fieldwork) 3. Local Issues 4. Data Collection (Fieldwork) 5. Graphing data
Science	The Human Body: Human growth stages, adolescence and puberty, The human reproductive system, The endocrine system.	Materials: Properties- solubility, conductivity, flexibility, fair testing, solubility, separation of mixtures, reversible changes dissolving, mixing, change of state	Living Things: Life cycles of a mammal, an amphibian, an insect and a bird, life process of reproduction in some plants and animals, Photosynthesis, vascular and non-vascular plants	Forces: Gravity, friction, air resistance, water resistance, pulleys, gears and levers.	Astronomy: The Big Bang theory, gravity, the Universe, our Solar System, the moon and our galactic neighbourhood.	Meteorology: Weather and climate, the atmosphere, the Ozone layer, air movement and wind direction, cold and warm fronts, thunder and lightning.
Art	Islamic Art and Architecture: Architecture: The Dome of the Rock, The Alhambra, The Taj Mahal, Begum Concepts: Features of Islamic art and design – geometric patterns, vegetal patterns, calligraphy, tilework, plasterwork. Characteristic features of Islamic architecture in mosques, palaces and tombs – domes, minarets, arches, muqarnas. Skills: using rulers and compasses to draw geometric patterns, paintings with inks, working with clay – carving and	Style in Art Artists/Designers: Stubbs, Munch, Watteau, Chippendale, Van Doesburg, Breuer, Mondrian, Delaunay, Pollock, Rothko, Kandinsky Concepts: What is style in art, features of Rococo art and design, features of Modernist art and design, comparing Rococo and Modernist styles, features and ideas behind abstract art,	Art from Western Africa Art: Antelope headdresses of Mali, ivory carvings and bronze relief sculptures and panels from Benin Concepts: Spiritual purpose and significance of many African works of art, ceremonial masks, cultural changes reflected in artwork, for example the influence of the Portuguese traders on West African art. Skills: Using 3d mixed media to	Chinese Painting and Ceramics Art: Become familiar with examples of Chinese art, including: silk scrolls, calligraphy, brush writing and painting, porcelain. Concepts: Chinese painting materials, using brushes and colour in a different way, Chinese painting style and design, creation and decoration of porcelain, Chinese trade with and influence on Western Europe.	Print Making Artists: Rembrandt, Hogarth, Hokusai, Warhol Concepts: Printmaking as an indirect art form: blocks, plates, silk screens. Printmaking can be a positive (relief), negative (intaglio) or stencil process. Printmaking allows the creation of multiple versions of the same design. Skills: Mono-printing with Perspex, printing ink and pencils,	History of Photography Photographers: Dorothea Lange, Jason Evans, Peter Keetman, Aaron Siskind Concepts: The beginnings and development of photography – camera obscura, daguerreotype, roll films, the Kodak camera, colour, digital photography. Victorian portraiture. Documentary photography. Abstract photography. Skills: Using



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	<p>building up, painting clay. DRAWING PAINTING 3D FORM</p> <p>Swapped over from Autumn B to Autumn A as it fits with History topics.</p>	<p>colour theory in abstract art Skills: Using oil pastels and soft pastels to create light/shade and different marks, accurately copying shapes, independent design by drawing, painting with acrylic on canvass, painting patterns, using colour theory to make colour decisions, creating texture with acrylic DRAWING PAINTING</p>	<p>design and create relief sculptures. 3D FORM DRAWING</p>	<p>Skills: Using Chinese painting materials and Chinese painting style – emphasis on brush use. PAINTING</p>	<p>screenprinting with stencils, collage. PRINTING COLLAGE</p>	<p>a digital camera, composition - different views, angles and positions, using a viewfinder, zooming in, editing, collage. PHOTOGR</p>
D&T	BUILD: Cams Toys		COOK: Pitta Bread		SEW: Bags	
Computing	Computing systems and networks - Systems and searching	Creating media - Video production	Programming A – Selection in physical computing	Data and information – Flat-file databases	Programing B – Selection in quizzes	Computing systems and networks - Communication and collaboration
Computing online	Self-image and online reputation	Online relationships and Online bullying	Managing online information	privacy and security	Copywrite and ownership	Health, wellbeing and lifestyles
Music	Getting started with music tech; How does music bring us together?	Emotions and musical styles: How does music connect us with our post?	Exploring key and time signatures: How does music improve our world?	Introducing chords: How music teach us about our community?	Words, meaning and expression: How does music shape our way of life?	Identifying important musical elements: How does music connect us with the environment?
RE	What does it mean if God is holy and loving? (God)	Was Jesus the Messiah? (Incarnation)	What does it mean to be a Sikh in Britain today? (Living)	What did Jesus do to save human beings? (Y5 Salvation) (link 2.2 Believing)	What would Jesus do? (Gospel)	If God is everywhere, why go to a place of worship? (Expressing)
PE – Cycle A	Athletics	Fitness	Dodgeball	Netball	Tag Rugby/ Football	Hockey
PE – Cycle B	Athletics	Handball/ Basketball	Dance	Gymnastics	Orienteering	Tennis
French (KS2)	Greetings - Introducing yourself Talking about yourself - Classroom language (QCA Unit 2)	Revision of the numbers up to 20. (QCA Unit 3) On fait la fête (Celebrations) Being	(QCA Unit 4) Colours – L'Arc en ciel. (QCA Unit 2) Jeux et chansons (Games and songs)	Responding to a song in French - (QCA Unit 8) L'argent de poche (Pocket money) Understanding and using the numbers up to 31 - Simple prices.	(QCA Unit 4) Portraits (Portraits) Parts of the body - Description of people	(QCA Unit 2) Jeux et chansons (Games and songs) Responding to a song in French



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		more specific about Birthdays.				
Event and trips	Visit to a Mosque (Open Centre at Derby Uni).	Art Workshop.	Workshop on the French Revolution. Farm visit/ Markeaton Park.	Trip to the International Slavery Museum (Liverpool)	Space Centre (Leicestershire)	Trip to a Victorian House – Nottingham Matlock Museum of Mining.