

Year 3 and 4 Curriculum Plan Two Year Cycle (2020 – 2021/2021 – 2022)

Cycle 1	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic themes	Anglo Saxons and Vikings The local area, Britain and Europe		Wars of the Roses and the Tudor Dynasty Britain and Europe		Egypt and the Nile Countries and Continents of the World	
(Geography/History)	<p><u>History: Vikings:</u> How did the Vikings travel? Where was the first invasion?</p> <p>Why did they invade Britain?</p> <p>Why were monasteries good places to raid?</p> <p>Children study Viking invasion, life and mythology.</p>	<p><u>Geography: Anglo Saxons</u> Understand key aspects of human Geography - Types of settlement and land use Economic and trade activity Trade and use of natural resources</p> <p>Was life better in Anglo-Saxon or Roman Britain? What did they leave behind?</p> <p>Children study of Anglo-Saxon settlement from European countries</p>	<p><u>History: The Wars of the Roses</u> Why were these battle important for us today?</p> <p>Who should win and why?</p> <p>Why did the Wars of the Roses take place over such a long time period?</p> <p><u>The Tudor Dynasty</u> What did the Tudor period signify?</p> <p>The children study a timeline of the different wars and the reasons for the conflict</p>	<p><u>Geography: The Tudor Age of Discovery</u> Why was the Age of Exploration so important?</p> <p>Who were the explorers in the age of exploration?</p> <p>Where did the famous Tudor explorers go?</p> <p>What did they discover there? What goods did they return with to the UK?</p>	<p><u>History: Egypt Fantastic Pharaohs</u> How old is the Ancient Egypt civilisation?</p> <p>What are hieroglyphics?</p> <p>Tutankhamun & Cleopatra: who are these icons?</p> <p>The children study the history of the Egyptian pharaohs and life in Ancient Egypt</p>	<p><u>Geography: Ancient Egypt: Raging Rivers</u> Where is Egypt in the context of the world?</p> <p>What is nearby? How has it changed?</p> <p>The River Nile – A Journey of Discovery</p> <p>Why did the Egyptians settle on the banks of the river Nile?</p> <p>The children study location of continents of the</p>

				Children study the Golden Age of Tudor exploration and how this changed knowledge of the world's lands and seas.		world, relative position of Egypt reasons for settlement along banks of Nile, Great Pyramids.
English	<p>Non-chronological Reports Essential books: The Wolves in the Walls by Neil Gaiman Wolves by Emily Gravett Top Gun of the Sky by Martin Bradley</p> <p>Myths and Legends Write a Myth based on: Can You Catch A Mermaid by Jane Ray The Seal Children by Jackie Morris Dragons Hoard: Stories from the Viking Sagas Lan Den</p> <p>Narrative Poems Essential books:</p>	<p>Stories in familiar settings Stories in familiar settings Essential books: Horrid Henry by F Simon Horrid Henry's Birthday Party by F Simon The lion, the Witch and the Wardrobe CS Lewis</p> <p>Instructions and Explanations The Usborne Complete Book of Art Ideas by F Watt, or <i>The Usborne of Art Skills</i> or <i>The Usborne Book of Art Ideas</i></p> <p>Poetry</p>	<p>Fantasy Stories Based on How to Train Your Dragon by C Cowell How to Train Your Dragon (film – Dreamworks)</p> <p>Chronological reports Essential books: Henry's Freedom Box by E Levine Who was Rosa parks by Zeldis McDonough</p> <p>Poetic Form – syllabic poems Study collection of poems.</p>	<p>Stories with humour Essential books: Mr Stink by David Walliams Billionaire Boy by David Walliams</p> <p>Information Texts Essential books: The Kingfisher Book of Music by C de Souza</p> <p>Image poems Essential books: Window by J Baker</p>	<p>Fables Essential books: Aesop's Fables by M Rosen</p> <p>Biography Essential books: Leonardo da Vinci for Kids, His Life and Ideas by J Herbert Topic links – Walther Raleigh, Howard Carter</p> <p>Poems to Perform Essential books: Poems to Perform: A Classic Collection chosen by Julia Donaldson</p>	<p>Fiction with an element of fantasy Essential books: The Butterfly Lion by Michael Morpurgo</p> <p>Persuasive writing Essential books: The Rainbow Bear by Michael Morpurgo Zoo by Anthony Browne The Ice Bear by Nicola Davies Topic link: Tutankhamen v Cleopatra – who was the most influential historical ruler?</p> <p>Nonsense poems</p>

	<p>Just You Wait Till I'm Older Than You by Michael Rosen</p> <p>The Works 4 chosen by Pie Corbett and Gaby Morgan</p>	<p>List poems and kennings (Anglo Saxon link)</p> <p>A variety of poems selected from The Works</p>				<p>Essential books:</p> <p>Edward Lear's Book of Nonsense, Usborne Illustrated Originals</p> <p>The Pobble with No Toes – Group Reader</p>
<p>Guided Reading</p>	<p>Texts</p> <p>Anglo Saxons and Vikings – Usbourne History of Britain</p> <p>Dragons Hoard: Stories from the Viking Sagas Lan Den</p>	<p>Texts</p> <p>The Lion, the Witch and the Wardrobe CS Lewis</p> <p>Extracts from Alice in Wonderland Lewis Carroll</p> <p>Coraline Neil Gaimon</p> <p>Beowulf Rob Lloyd Jones/Michael Morpurgo</p> <p>Anglo Saxon Boy Tony Bradman</p>	<p>Texts</p> <p>The Reluctant Dragon Kenneth Graham</p> <p>How to Train your Dragon Cressida Cowell</p> <p>The Tudors by Marcia Williams</p> <p>Eyewitness Tudor Simon Adams DK</p> <p>Horrible Histories: Terrible Tudors</p>	<p>Texts</p> <p>Dragons at Crumbling Castle Terry Pratchett</p> <p>Moonshine Dragon by Cornelia Funke</p> <p>Tudor Exploration Haydn Middleton</p>	<p>Texts</p> <p>Horrible Histories: Awful Egyptians Terry Deary</p> <p>Everything about Ancient Egypt National Geographic</p> <p>Ancient Egypt DK Eyewitness</p> <p>Egyptian Things to Make and Do Emily Bone</p> <p>Biographies on Howard Carter, Walter Raleigh</p>	<p>Texts</p> <p>Journey to the River Sea Eva Ibbotson</p> <p>Non-fiction texts on rivers (Classroom Secrets)</p>
<p>Maths (Year 3)</p>	<p><u>Number and place value</u></p> <p>What is place value?</p> <p>What is the value of this digit?</p>	<p><u>Number and place value:</u></p> <p><u>Addition and Subtraction</u></p> <p>How does knowledge of place value help us to add and subtract?</p>	<p><u>Number: Place value and money</u></p> <p>What happens to the digits in a number when we multiply or divide it?</p> <p>Use knowledge of place value to position, order,</p>	<p><u>Number: Fractions</u></p> <p>What fraction is shown here?</p> <p>How do you know?</p>	<p><u>Number and place value: Sequencing</u></p> <p>Which number comes next?</p> <p>How do you know?</p>	<p><u>Addition and subtraction;</u></p> <p><u>Multiplication and division</u></p> <p>Which operation do we need to use to solve this problem?</p>

	<p>How do you know?</p> <p>Understand place value, order and compare 3-digit numbers. Use £ and p notation, including zero as place holder and compare amounts of money</p> <p><u>Addition and Subtraction</u></p> <p>How many more are needed to find the difference between these numbers?</p> <p>Know number bonds for all numbers up to 20 and use in addition and subtraction, understanding that = represents equality. Cross tens boundary when adding and subtracting. Count up and find change from a £</p> <p><u>Shape and data</u></p>	<p>Say what each digit represents in a 3-digit number. Use knowledge of place value to add and subtract. Use this knowledge to add and subtract money. Add 1, 10 or 100 to a 3-digit number including crossing 10s and 100s. Subtract 1, 10 or 100 from a 3-digit number including crossing 10s and 100s.</p> <p><u>Multiplication and Division</u></p> <p>What is the inverse operation to this calculation?</p> <p>Double and half (even) two-digit numbers. Know \times and \div facts that go with arrays and for the 3, 4, 5 and 10 times tables. Understand that multiplication is commutative.</p>	<p>compare and round 3 digit numbers to nearest 10. Solve problems using knowledge of place value. Know what each digit represents in a 3-digit amount of money using 0 as a placeholder. Multiply and divide by 10 and 100 knowing how to use place value, including amounts of money. Understand that division 'undoes' multiplication. Multiply and Perform 2-step operations.</p> <p><u>Written addition and subtraction</u></p> <p>Which method will you use to subtract? Why?</p> <p>Which subtraction will have the largest answer?</p> <p>Add three 2-digit numbers using a variety of strategies. Select and use an appropriate strategy to subtract. Add two 3-digit numbers using a range of methods.</p>	<p>Understand that fractions are part of a whole. Understand the larger the denominator the smaller the unit fraction. Count in halves and quarters. Locate halves and quarters on a 0–10 number line. Understand fraction of shapes. Find $\frac{1}{4}$s, $\frac{1}{6}$s and $\frac{1}{8}$s of numbers. Know additions of fractions with the same denominator with total of 1.</p> <p><u>Measures: Time :Position and direction</u></p> <p>How many ways can you use to tell this time?</p> <p>Tell the time to the nearest minute, past and to. Read analogue and digital times and convert between them</p>	<p>Say what each digit represents in a 3/4-digit number. Use equipment to represent 3/4-digit numbers. Order 3/4-digit numbers on an empty number line. Compare pairs of 3/4-digit numbers and find a number in between. Round 3-digit numbers to the nearest 10 or 100. Count in steps of 50 or 100 from any number up to 1000. Count in steps of 4 or 8 from 4 and 8. Identify patterns. Find and test rules for sequences</p> <p><u>Measurement: length and capacity</u></p> <p>How can we work out how much longer this piece of wood than that one?</p> <p>Measure, compare, add and subtract lengths, weights and capacities. Know that there are 100cm in a metre and that there are 10mm in a centimetre.</p>	<p>Add three-digit numbers using place value. Add near multiples of 100. Subtract three-digit numbers using place value. Subtract near multiples of 100. Use written method to multiply numbers between 20 and 40 by 1-digit numbers. Divide numbers within and just beyond the times tables (with remainders). Choose which operation is necessary to solve word problems.</p> <p><u>Geometry: Properties of shape</u></p> <p>Can you describe the 2D shapes that make up this 3D shape?</p> <p>Draw 2-D and make 3-D shapes, recognising both in different</p>
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	<p>How do we know if this picture is symmetrical?</p> <p>Which shapes are similar? How do we know?</p> <p>Recognise and find one or more lines of symmetry. Complete more complex symmetrical drawings. Describe and name 2D and 3D shapes. Sort shapes in according to their properties</p>	<p>Understand that multiplication is the inverse of division. Write \times and \div Use multiplication facts to divide and find a remainder.</p> <p><u>Division and fractions</u></p> <p>What is a fraction?</p> <p>How do we find fractions of numbers and shape?</p> <p>Find $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ of a number (whole number answers). Find $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{3}$ and $\frac{2}{3}$ of a quantity Know what $\frac{1}{3}$ and $\frac{2}{3}$ of a shape looks like</p> <p><u>Measures and data</u></p> <p>How do we measure time?</p> <p>Which time difference is longer?</p>	<p>Use rounding to estimate totals. Use addition to check subtraction. Predict whether 1 subtraction will have a bigger or smaller answer than another.</p> <p><u>Measures and data: Length, weight bar charts</u></p> <p>Can you estimate which of these objects has the greatest mass?</p> <p>Measure lengths in m and cm and record. Convert cm into m and cm. Find differences between lengths. Establish weight benchmarks (1kg and 100g) and make estimates. Estimate the order of weights. Read scales to the nearest 100g. Record results in a bar chart, one square = 100g. Choose appropriate units of measurement to measure objects. Collect, record and interpret data in a bar</p>	<p>Tell the time and convert analogue and digital clocks and match corresponding times. Find a time a number of minutes later. Find pairs of times a given number of minute apart.</p> <p>If I turn two right angles, which direction will I be facing?</p> <p>Understand angles as degrees of turn. Use the language clockwise and anticlockwise. Know that a right angle is a quarter turn and four a complete turn.</p> <p><u>Multiplication and division</u></p> <p>Know the 4 times table and use it to find the 8x table Know the 2, 3, 4, 5, 8, 10 times tables by heart and use commutativity and known facts to derive others.</p>	<p><u>Statistics</u></p> <p>How are we going to collect and present the data to answer this question?</p> <p>Interpret and represent data on scaled bar charts, pictograms and tables, and solve problems using these.</p>	<p>orientations, and describe them. Identify right angles as 90° in shapes, and also as turns; recognise angles as less than or greater than 90°. Identify horizontal and vertical lines, and pairs of parallel and perpendicular lines.</p> <p><u>Geometry: Position and direction</u></p> <p>If I make three right angle turns which way will I be facing?</p> <p>Recognise right angles as 90° in shapes, and also as turns;</p> <p>Consolidation</p>
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<p>Maths (Year 4)</p>	<p><u>Number and Place Value</u></p> <p>What is place value? What is the value of each digit in this number? How do we know?</p>	<p><u>Number and Place value Addition and Subtraction</u></p> <p>How does the position of a digit affect its value?</p> <p>Say what each digit represents in a 4-digit number.</p>	<p><u>Number, Place value and decimals/money</u></p> <p>How do we know the value of this number?</p> <p>Understand that when we multiply and divide by 10, 100, including decimal numbers, digits shift one</p>	<p><u>Number: Fractions and decimals</u></p> <p>What is the same and different about fractions and decimals?</p> <p>Identify equivalent fractions up to</p>	<p><u>Number (including Roman numerals): Sequencing</u></p> <p>What is the next number in this sequence?</p> <p>How do you know?</p>	<p><u>Addition and subtraction; Multiplication and division</u></p> <p>Use written method to multiply 3/4-digit numbers by single-digit numbers.</p>

	<p>Understand place value, order and compare 4-digit numbers.</p> <p><u>Addition and Subtraction</u></p> <p>What is the best method to use to add or subtract these numbers? Why?</p> <p>Add using place value knowledge and understanding of the number system to choose a strategy for adding.</p> <p>Subtract using counting up or back. Choose a strategy to subtract. Use addition to check subtraction</p> <p><u>Shape and data</u></p> <p>What is the same and different about these triangles?</p> <p>Understand how the circumference and radius of a circle can be found. Describe 2D and 3D shapes by using</p>	<p>Understand place value related additions and subtractions. Use this knowledge to add and subtract 1, 100 or 1000.</p> <p><u>Multiplication and division</u></p> <p>How can we use inverse operations to check our answers?</p> <p>Double and halve two and three digit numbers Know multiplication and associated division facts for the x3, x4, x6, x8 tables, up to x12. Recognise multiples of 3, 4, 5, 6 and 8 Use written methods to multiply and divide TU x U .</p> <p><u>Division and fractions</u></p> <p>Which numbers will have a remainder when you divide them?</p>	<p>Understand what each digit represents in a number with 1 decimal place. Order decimal numbers Round tenths to nearest whole. Recognise decimal and fraction forms of tenths. Solve problems using knowledge of place value. Multiply multiples of 10 and 100 by single-digit numbers. Add and subtract 0.1 and 1 to/from numbers with one decimal place. Use negative numbers in context of temperature. Find differences in temperature. Order positive and negative numbers.</p> <p><u>Written addition and subtraction</u></p> <p>How would you estimate the answer to this addition/subtraction?</p> <p>What method would you use to check your estimate?</p> <p>Use different methods of addition to add three 2-digit numbers.</p>	<p>twelfths with a supporting image. Reduce fractions to their simplest form. Identify equivalent fifths, tenths and halves and mark them on a line. Identify equivalent fractions and decimals (0.1s, 1/10s, 1/5s and 1/2s). Add and subtract fractions with the same denominators within 2 wholes using a fraction line.</p> <p><u>Measures: Time</u></p> <p>How many different ways can you represent this time?</p> <p>Tell the time on an analogue clock using am and pm. Understand concept of 24-hour clock. Find times that are 30, 40 and 45 minutes later, crossing the hour.</p>	<p>Place 4/5-digit numbers between neighbouring multiples of 100/1000. Round four-digit numbers to the nearest 10 and 100. Order 4/5-digit Round four-digit numbers to the nearest 1000. Count in steps of 25 and 1000 from numbers other than 0. Write numbers to 100 using Roman numerals.</p> <p><u>Measurement: length and capacity</u></p> <p>How many ways can we represent that length using different units of measurement?</p> <p>Convert between units of measurement, e.g. cm to m, g to Kg and ml to L and units of time. Measure and calculate the perimeter of a rectilinear figure (including squares) in</p>	<p>Use the ladder method to multiply 3-digit numbers by single-digit numbers, estimating answers first. Solve word problems requiring multiplication or division. Choose mental or written method to solve a range of calculations, all four operations. Choose which operations(s) are necessary to solve word problems.</p> <p><u>Geometry: Properties of Shape</u></p> <p>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. Identify acute and obtuse angles, compare and order angles up to 180°.</p>
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	<p>correct mathematical vocabulary. Sort 2D and 3D shapes in different ways Describe, name and sort different triangles.</p>	<p>Divide numbers by single-digit numbers, find remainders Count in 1/4s, 1/3s and 1/10s Find equivalent fractions Understand the link between finding fractions of amounts and division. Find unit fractions and non-unit fraction of amounts.</p> <p><u>Measurement:</u> <u>Time and data</u></p> <p>How shall we record the data we have collected?</p> <p>What does the data tell us?</p> <p>Tell the time to the nearest minute on analogue clocks some with Roman numerals. Convert between digital and analogue times using am and pm. Find times that are 30, 40 and 45 minutes later crossing the hour.</p>	<p>Use rounding to estimate totals. Use rounding to estimate totals. Use column subtraction/counting up to subtract 3/4-digit numbers Find change from £5/£10 and differences between prices Use column addition to add amounts of money Use rounding/approximation to estimate the total before carrying out addition. Check subtraction with addition. Subtract any pair of 3-digit numbers choosing a written or mental method. Identify and describe patterns; test out ideas. Add/subtract single-digit numbers to 4-digit numbers, bridging multiples of 10, 100 and 1000. Add/subtract multiples of 10, 100 and 1000 to 4-digit numbers</p> <p><u>Measures and data:</u> <u>Length, weight, bar charts</u></p>	<p>Read and create 24-hr timetables. Calculate time intervals</p> <p><u>Multiplication and division</u></p> <p>Know multiplication and division facts for the 7 and 9 times table. Use commutativity and known facts to derive new multiplication facts. Know most multiplication facts up to 12 and use commutativity and known facts to derive others. Find factors of numbers up to 40. Multiply single-digit numbers by multiples of 10 and 100.</p> <p><u>Consolidation</u></p>	<p>centimetres and metres. Find the area of rectilinear shapes by counting squares.</p> <p><u>Statistics</u></p> <p>What data do we need to collect to answer this question?</p> <p>What is the best way to present and understand the data we have collected?</p> <p>Interpret and present discreet data using bar charts, pictograms and tables, and continuous data on time graphs; answer questions re-data.</p>	<p>Identify lines of symmetry in 2-D shapes presented in different orientations; complete a simple symmetric figure with respect to one line of symmetry.</p> <p><u>Geometry:</u> <u>position and direction</u></p> <p>What is the co-ordinate for the missing corner of this rectangle?</p> <p>Describe positions on a 2-D grid as coordinates in the first quadrant, plot specified points and draw sides to complete a given polygon Describe movements between positions as translations of a given unit to the left/right and up/down Plot and write co-ordinates in the first quadrant.</p>
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		<p>Calculate time intervals using a number line crossing over the hour. Write word problems involving time intervals. Time events in seconds. Collect data and record results in bar charts Present data in pictograms where one symbol represents 4 units. Interpret pictograms.</p> <p>Consolidation</p>	<p>Measure lengths in m and cm and record using a decimal point Convert cm into m (2 decimal places). Measure lengths in cm and mm to one decimal place. Convert lengths from km to m and mm to cm (1 decimal place). Use weight benchmarks to assist with estimating. Weigh items in g and kg to the nearest 100g. Convert from kg to g and from g to kg (1 decimal place). Estimate the order of weights Read scales to one decimal place Record results in a bar chart, one square = 0.1kg. Choose appropriate units of measurement to measure objects. Collect, record and interpret data in a bar chart, choosing a suitable scale.</p>			<p>Complete polygons by giving missing points. Describe translations of shapes on a grid and write new co-ordinates.</p> <p>Consolidation</p>
Science	<p>Forces and Magnets</p> <p><u>Key Questions:</u> What makes a test fair?</p>	<p>Animals Including Humans</p> <p><u>Key Questions:</u> How do you collect data? What ways can you display your data?</p>	<p>Living things and their habitats</p> <p><u>Key Questions:</u> How do we classify if something is living? (Mrs Nerg) Are there different types of</p>	<p>Plants</p> <p><u>Key Questions:</u> What are the male and female parts of a flower?_What</p>	<p>States of Matter</p> <p><u>Key Questions:</u> What can we do to sort materials into Solids, liquids and</p>	<p>Sound</p> <p><u>Key Questions:</u> Do different materials make different types of sound? How does sound</p>

	<p>What is the difference between gravity and magnetism?</p> <p>What materials are magnetic?</p> <p>Main Work Focus:</p> <p>Develop investigation skills. Use their knowledge to design and make a toy which uses magnetism</p>	<p>What makes a balanced diet? How do muscles work? What affects our heart rate?</p> <p>Main Work Focus:</p> <p>Use learnt knowledge to create a plan to improve a fantasy team's fitness and well being.</p>	<p>plants? How do we classify these? What animals are found in our local environment?</p> <p>What is the difference between a vertebrate and invertebrate?</p> <p>Main Work Focus:</p> <p>Create an interactive booklet about the world of living things.</p>	<p>job does the Stigma and Stamen do?</p> <p>Why are bees important? What happens after pollination and fertilisation?</p> <p>Main Work Focus:</p> <p>Relate each stage of the life cycle to the ability to provide nutritious food and create a menu based on the stages</p>	<p>gases? What properties do each have? How does water change state? What are the key stages of the water cycle?</p> <p>Main Work Focus:</p> <p>Work in groups to create an activity to demonstrate the different properties of Solids, liquids and gases.</p>	<p>travel and what can it travel through? What is pitch? Does distance effect the sounds that we hear?</p> <p>Main Work Focus:</p> <p>Use learning about materials, pitch, distance etc to create a piece of music to perform using everyday items, including a presentation why different objects were chosen because of they different qualities</p>
PHSE Jigsaw Year 4	Being Me in My World	Celebrating difference	Dreams and Goals	Healthy Me	Relationships	Changing Me
Music Churanga Year 3	<p>Recorder course</p> <p>In preparation for next year's First Access Programme the children learn to play the recorder, focusing on developing early instrumental skills</p>	<p>Christmas presentation</p> <p>Cross curricular opportunity to organise, promote, produce, perform and evaluate a 60 minute presentation involving groups and classes</p>	<p>Recorder course</p> <p>In preparation for next year's First Access Programme the children develop their skills to play the recorder, focusing on instrumental skills</p>	<p>Mama Mia (Pop)</p> <p>Units of Work to cover a range of styles and genres and musically draw together listening/appraising, composing/improvising and performing skills</p>	<p>Three Little Birds (Reggae)</p> <p>Units of Work to cover a range of styles and genres and musically draw together listening/appraising, composing/improvising and performing skills</p>	<p>Don't Stop Believing (Rock)</p> <p>Units of Work to cover a range of styles and genres and musically draw together listening/appraising, composing/improvising and performing skills</p>
French Rigalo Year 4	<u>Encore</u> Vocab games and activities re:	<u>Quelle heure est-il?</u>	<u>Les fetes</u> Vocab games and activities re: talking	<u>Ou vas-tu?</u> Vocab games and activities	<u>On mange!</u> Vocab games and activities re:	<u>Le Cirque</u> Vocab games and activities

	describing people using adjectives	Vocab games and activities re: Talk about activities, telling the time	about festivals and dates, counting from 31-60, giving instructions	re: French cities, giving directions, weather, places in France	shopping for food, how much?, party activities, give opinions	re: discuss countries, languages, items of clothing
Computing Purple Mash	Coding <i>Designing and writing programs</i>	Online safety Communication, making good passwords, Spreadsheets Creating charts and graphs, using tools	Touch Typing: Practice and improve typing skills, typing words, improving speed	Email: Ways we communicate, writing emails, using emails safely,	Branching Databases: Sorting objects, creating and completing databases	Simulations: What is a simulation? Explore simulations, analyse and evaluate Graphing: Entering data, investigations
Religious Education Emmanuel Project Year 3 Cycle 2	Christianity How do Christians show that reconciliation with God and others is important?	Islam How does a Muslim show their submission and obedience to Allah?	Hinduism Why do Hindus want to collect good karma?	Christianity Is the cross a symbol of love, sacrifice or commitment for Christians?	Christianity What do Christians mean when they talk about the Kingdom of God?	Judaism What symbols and stories help Jewish people remember their covenant with God?
Art	Children develop their mastery of art techniques involved in drawing and painting still - life	The children create Anglo Saxon treasures using a range of materials including clay	Children develop their mastery of art techniques involved in drawing and painting portraits	Children take inspiration from great artists who used different ideas and techniques to create their art during different historical periods. They create work in the style of	The children use a range of materials to create Egyptian artefacts – Pharaohs’ headdresses, Canopic jars, scarab beetles	The children use a range of materials to create Egyptian artefacts – Pharaohs’ headdresses, Canopic jars, scarab beetles

				various artists such as: Holbein (Tudor link), Seurat, Monet, Warhol, Hockney		
Design Technology	Children plan and construct models of Viking Long ships. They focus on making a frame structure and strengthening it	The children join fabrics with a range of stitching – back stitch, chain stitch.	Children become competent in a range of cooking techniques to make Tudor foods and use raising agents to make breads		Create a mummy and sarcophagus making a frame supported with diagonal struts.	
PE	<p>Netball</p> <p>Children use running, jumping, throwing and catching in isolation and in combination</p> <p>Hockey</p> <p>Play competitive games, modified where appropriate, and apply basic principles suitable for attacking and defending</p>	<p>Dance</p> <p>Perform dances using a range of movement patterns</p>	<p>Swimming</p> <p>Invasion games Football – develop passing, blocking and shooting skills</p>	<p>Swimming</p> <p>Cricket</p> <p>Use running, jumping, throwing and catching in isolation and in combination</p> <p>Compare their performances with previous ones and demonstrate improvement to achieve their personal best.</p>	<p>Athletics</p> <p>Children develop flexibility, strength, technique, control and balance</p> <p>They take part in outdoor and adventurous activity challenges both individually and within a team</p>	<p>Rounders</p> <p>Use running, jumping, throwing and catching in isolation and in combination</p> <p>Compare their performances with previous ones and demonstrate improvement to achieve their personal best.</p> <p>Athletics – preparation for Sports Day, field and track events</p>

Cycle 2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic themes	The Stone Age to Iron Age		Rainforests (Geography focus)		Riotous Romans	
(Geography/History)	History: Stone Age Main Focus: Study life in the stone age inc. housing and diet, use evidence making comparisons. Key Questions: What was life like in the Stone Age? When was the Stone Age? What evidence has been left by	Geography: Land Use Main Focus: Study maps, sketch own maps of local area, identify uses of rural spaces Key Questions: How are maps used today? Can you locate place of interest on a map?	History: Amazon Tribes Main Focus: Learn about the lives of indigenous tribes in the Amazon, investigate their homes, food, daily life Key Questions: Where and when did the indigenous people live? How did they go about their daily lives?	Geography: Rainforests and Climate Main Focus: Name and label rainforests in the world, identify the 4 layers, study the climate, compare rainforests with a UK forest Key Questions: Where are the rainforests	History: Roman Invasion Main Focus: Study life in Roman Britain, order key events, learn about the Roman Empire invasion, study historical and cultural development Key Questions: How is Roman life evidenced today?	Geography: The UK Main Focus: Compare physical and human features of the UK, identify how the UK has changed over time Key Questions: Can you label the countries, capital cities, rivers and seas of the UK?

	<p>the Stone Age people? How different was the stone age to life today?</p>	<p>Can you sketch a map of the local area? How are symbols and keys used on a map? How is the land used in our local area?</p>		<p>found around the world? What is life like in the rainforest? How does a local forest differ to a rainforest? What is the cause of climate change?</p>	<p>When did the Roman Invasion occur? Which significant people played an important role in Roman Britain? Why did the Romans come to Britain? How has the Roman Invasion influenced our lives?</p>	<p>Can you find and name places of higher ground in the UK? Which counties are located locally and where are they? How has the population changed over time?</p>
English	<p>Stories by the same author: <i>Practice simple, compound and complex sentences with powerful verbs</i> Books: I'll Take You to Mrs Coles Dinosaurs and All That Rubbish Instructions & Explanations: <i>Practice using imperative verbs and pronouns. Complete a piece of explanation writing.</i> Humorous Poems <i>Learn about powerful verbs, verb tenses, adverbs and adverbial phrases. Write own verses of poems.</i></p>	<p>Traditional Tales and Fables: Tales from India <i>Using grammar terminology, using and recognising adjectives, nouns & prepositional phrases; using prepositions</i> Books: The Tiger Child Seasons of Splendour Rama and Sita Non-chronological Reports: <i>Extending sentences, grammatical terminology, using conjunctions;</i></p>	<p>Stories by the same author: <i>Using noun phrases by modifying adjectives, nouns and preposition phrases, using and punctuating direct speech, using fronted adverbials, choosing between pronouns and nouns</i> Books: The Great Kapok Tree The Sharman's Apprentice Persuasive Writing: <i>Using conjunctions, adverbs and prepositions, indicating possession by using the possessive apostrophe with plural nouns</i> Books: When the Forest Meets the Sea The Vanishing Rainforest</p>	<p>Classic Fiction: Exciting Stories <i>Explore plot, character and tension. Learn about direct speech and tense. Plan and write own versions of stories.</i> Books: Fantastic Mr Fox Recounts: <i>Act out stories, use adverbials, learn about recounts using past tense and 1st person and chronological order, use complex sentences. Write own story</i></p>	<p>Myths and Legends: Roman Myths <i>Dialogue punctuation, conjunctions and word classes</i> Books: The Romans: Gods, Emperors & Dormice Recounts: Newspaper Recounts Research, take notes and write newspaper recounts. The perfect form and adverbs for time and place. Write newspaper report. Books: The Roman Record Escape from Pompeii Traditional Poems:</p>	<p>Stories on a Theme: Sea Stories <i>Explore the use of characterisation, dilemmas, dialogue, word classes and the perfect tense</i> Books: Dolphin Boy The Sandman and the Turtles Reports: Computer Games <i>Revise word classes and study dialogue punctuation. Read/write informal and formal reports. Design and</i></p>

		<p><i>expressing time or cause</i></p> <p>Books: DK Childrens Book of Sport</p> <p>Creating Images: Find and use adjectives and adjective phrases, converting a poem to prose, perform poems and compose own poems.</p>	<p>Performance Poems: Listen to performance poems and explore features, use conjunctions, investigate negative prefixes, informal language and rhymes. Write a rap.</p> <p>Books: Poems Out Loud , You Tell Me</p>	<p>Books: The day I swapped my Dad for Two Goldfish The Diary of a Killer Cat</p> <p>Poetry to express emotions:</p> <p>Explore, write and perform emotional poetry, Revise verbs, simple past tense and present perfect form.</p> <p>Books: Michael Rosen's A to Z</p>	<p><i>Read a selection of traditional poems, explore the use of sounds, use of adjectives, adverbs/adverbials as descriptions. Write inspired poems</i></p>	<p><i>present a new game.</i></p> <p>Poetic Forms: Shape Poems</p> <p>Analyse features of poetry. Explore tenses, conjunctions and prepositions. Write, improve and present your own shape poems.</p>
Guided reading	<p>Fiction: Stone Age Boy Non-fiction: How to Skin a Bear</p>	<p>Fiction: One Christmas Wish Non-fiction: Cooking Stone Age Classics (Recipe)</p>	<p>Fiction: The Great Chocoplot Non-fiction: Rainforest Creatures</p>	<p>Fiction: Fantastic Mr Fox Non-Fiction: Rainforest Wildlife</p>	<p>Fiction: Roman Rescue Non-fiction: Roman Soldier Poems</p>	<p>Fiction: Planet Omar: Acc. Trouble Magnet Non-fiction: Infographic Reports</p>
Maths (Year 3)	<p><u>Number and Place value</u></p> <p>What is place value?</p> <p>Understand place value, order and compare 3-digit numbers. Use £ and p notation, including zero as place holder and</p>	<p><u>value Addition and Subtraction</u></p> <p>How does knowledge of place value help us to add and subtract?</p> <p>Say what each digit represents in a 3-digit number. Use knowledge of place value to add and subtract</p>	<p><u>Number, place value and money</u></p> <p>What happens to the digits in a number when we multiply or divide it?</p> <p>Use knowledge of place value to position, order, compare and round 3 digit numbers to nearest 10 Solve problems using knowledge of place value.</p>	<p><u>Number: Fractions</u></p> <p>What fraction is shown here?</p> <p>How do you know?</p> <p>Understand that fractions are part of a whole. Understand the larger the denominator the</p>	<p><u>Number and place value: Sequencing</u></p> <p>Which number comes next? How do you know?</p> <p>Say what each digit represents in a 3/4-digit number. Use equipment to represent 3/4-digit numbers.</p>	<p><u>Addition and subtraction; Multiplication and division</u></p> <p>Which operation do we need to use to solve this problem?</p> <p>Add three-digit numbers using place value Add near multiples of 100</p>

	<p>compare amounts of money</p> <p><u>Addition and Subtraction</u></p> <p>How many more are needed to find the difference between these numbers?</p> <p>Know number bonds for all numbers up to 20 and use in addition and subtraction, understanding that = represents equality.</p> <p>Cross tens boundary when adding and subtracting</p> <p>Count up and find change from a £</p> <p><u>Shape and data</u></p> <p>How do we know if this picture is symmetrical?</p> <p>Which shapes are similar? How do we know?</p> <p>Recognise and find one or more lines of symmetry.</p> <p>Complete more</p>	<p>Use this knowledge to add and subtract money.</p> <p>Add 1, 10 or 100 to a 3-digit number including crossing 10s and 100s.</p> <p>Subtract 1, 10 or 100 from a 3-digit number including crossing 10s and 100s.</p> <p><u>Multiplication and Division</u></p> <p>What is the inverse operation to this calculation?</p> <p>Double and half (even) two-digit numbers.</p> <p>Know \times and \div facts that go with arrays and for the 3, 4, 5 and 10 times tables.</p> <p>Understand that multiplication is commutative.</p> <p>Understand that multiplication is the inverse of division.</p> <p>Write \times and \div</p> <p>Use multiplication facts to divide and find a remainder.</p>	<p>Know what each digit represents in a 3-digit amount of money using 0 as a placeholder.</p> <p>Multiply and divide by 10 and 100 knowing how to use place value, including amounts of money</p> <p>Understand that division 'undoes' multiplication.</p> <p>Multiply and Perform 2-step operations.</p> <p><u>Written addition and subtraction</u></p> <p>Which method will you use to subtract? Why?</p> <p>Which subtraction will have the largest answer?</p> <p>Add three 2-digit numbers using a variety of strategies.</p> <p>Select and use an appropriate strategy to subtract.</p> <p>Add two 3-digit numbers using a range of methods.</p> <p>Use rounding to estimate totals.</p> <p>Use addition to check subtraction.</p> <p>Predict whether 1 subtraction will have a</p>	<p>smaller the unit fraction.</p> <p>Count in halves and quarters.</p> <p>Locate halves and quarters on a 0–10 number line.</p> <p>Understand fraction of shapes.</p> <p>Find $\frac{1}{4}$s, $\frac{1}{6}$s and $\frac{1}{8}$s of numbers.</p> <p>Know additions of fractions with the same denominator with total of 1.</p> <p><u>Measures: Time :Position and direction</u></p> <p>How many ways can you use to tell this time?</p> <p>Tell the time to the nearest minute, past and to.</p> <p>Read analogue and digital times and convert between them</p> <p>Tell the time and convert analogue and digital clocks and match corresponding times.</p>	<p>Order 3/4-digit numbers on an empty number line.</p> <p>Compare pairs of 3/4-digit numbers and find a number in between.</p> <p>Round 3-digit numbers to the nearest 10 or 100.</p> <p>Count in steps of 50 or 100 from any number up to 1000.</p> <p>Count in steps of 4 or 8 from 4 and 8</p> <p>Identify patterns.</p> <p>Find and test rules for sequences</p> <p><u>Measurement: length and capacity</u></p> <p>How can we work out how much longer this piece of wood than that one?</p> <p>Measure, compare, add and subtract lengths, weights and capacities.</p> <p>Know that there are 100cm in a metre and that there are 10mm in a centimetre.</p> <p><u>Statistics</u></p> <p>How are we going to collect and present</p>	<p>Subtract three-digit numbers using place value</p> <p>Subtract near multiples of 100</p> <p>Use written method to multiply numbers between 20 and 40 by 1-digit numbers</p> <p>Divide numbers within and just beyond the times tables (with remainders)</p> <p>Choose which operation is necessary to solve word problems.</p> <p><u>Geometry: Properties of shape</u></p> <p>Can you describe the 2D shapes that make up this 3D shape?</p> <p>Draw 2-D and make 3-D shapes, recognising both in different orientations, and describe them.</p> <p>Identify right angles as 90° in shapes, and also as turns; recognise</p>
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	<p>complex symmetrical drawings. Describe and name 2D and 3D shapes. Sort shapes in according to their properties</p>	<p><u>Division and fractions</u></p> <p>What is a fraction?</p> <p>How do we find fractions of numbers and shape?</p> <p>Find $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ of a number (whole number answers). Find $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{3}$ and $\frac{2}{3}$ of a quantity Know what $\frac{1}{3}$ and $\frac{2}{3}$ of a shape looks like</p> <p><u>Measures and data</u></p> <p>How do we measure time?</p> <p>Which time difference is longer?</p> <p>Tell the time to the nearest 5 minutes past the hour in analogue and digital clocks Match equivalent digital and analogue times.</p>	<p>bigger or smaller answer than another.</p> <p><u>Measures and data: Length, weight bar charts</u></p> <p>Can you estimate which of these objects has the greatest mass?</p> <p>Measure lengths in m and cm and record. Convert cm into m and cm. Find differences between lengths. Establish weight benchmarks (1kg and 100g) and make estimates. Estimate the order of weights. Read scales to the nearest 100g. Record results in a bar chart, one square = 100g. Choose appropriate units of measurement to measure objects. Collect, record and interpret data in a bar chart when one step represents several units.</p>	<p>Find a time a number of minutes later. Find pairs of times a given number of minute apart.</p> <p>If I turn two right angles, which direction will I be facing?</p> <p>Understand angles as degrees of turn. Use the language clockwise and anticlockwise. Know that a right angle is a quarter turn and four a complete turn.</p> <p><u>Multiplication and division</u></p> <p>Know the 4 times table and use it to find the 8x table Know the 2, 3, 4, 5, 8, 10 times tables by heart and use commutativity and known facts to derive others. Divide whole numbers by 2, 3, 4, 5, 8 or 10, using times tables and find remainders.</p>	<p>the data to answer this question?</p> <p>Interpret and represent data on scaled bar charts, pictograms and tables, and solve problems using these.</p>	<p>angles as less than or greater than 90°. Identify horizontal and vertical lines, and pairs of parallel and perpendicular lines.</p> <p><u>Geometry: Position and direction</u></p> <p>If I make three right turns which way will I be facing?</p> <p>Recognise right angles as 90° in shapes, and also as turns;</p> <p>Consolidation</p>
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<p>Maths (Year 4)</p>	<p><u>Number and Place Value</u></p> <p>What is place value? What is the value of each digit in this number? How do we know?</p> <p>Understand place value, order and compare 4-digit numbers.</p> <p><u>Addition and Subtraction</u></p>	<p><u>Number and Place value Addition and Subtraction</u></p> <p>How does the position of a digit affect its value?</p> <p>Say what each digit represents in a 4-digit number. Understand place value related additions and subtractions. Use this knowledge to add and subtract 1, 100 or 1000.</p>	<p><u>Number, Place value and decimals/money</u></p> <p>How do we know the value of this number?</p> <p>Understand that when we multiply and divide by 10, 100, including decimal numbers, digits shift one Understand what each digit represents in a number with 1 decimal place. Order decimal numbers Round tenths to nearest whole.</p>	<p><u>Number: Fractions and decimals</u></p> <p>What is the same and different about fractions and decimals?</p> <p>Identify equivalent fractions up to twelfths with a supporting image. Reduce fractions to their simplest form. Identify equivalent fifths,</p>	<p><u>Number (including Roman numerals): Sequencing</u></p> <p>What is the next number in this sequence?</p> <p>How do you know?</p> <p>Place 4/5-digit numbers between neighbouring multiples of 100/1000. Round four-digit numbers to the nearest 10 and 100.</p>	<p><u>Addition and subtraction; Multiplication and division</u></p> <p>Use written method to multiply 3/4-digit numbers by single-digit numbers. Use the ladder method to multiply 3-digit numbers by single-digit numbers, estimating answers first. Solve word problems requiring</p>

	<p>What is the best method to use to add or subtract these numbers? Why?</p> <p>Add using place value knowledge and understanding of the number system to choose a strategy for adding.</p> <p>Subtract using counting up or back. Choose a strategy to subtract.</p> <p>Use addition to check subtraction</p> <p><u>Shape and data</u></p> <p>What is the same and different about these triangles?</p> <p>Understand how the circumference and radius of a circle can be found.</p> <p>Describe 2D and 3D shapes by using correct mathematical vocabulary.</p> <p>Sort 2D and 3D shapes in different ways</p>	<p><u>Multiplication and division</u></p> <p>How can we use inverse operations to check our answers?</p> <p>Double and halve two and three digit numbers</p> <p>Know multiplication and associated division facts for the x3, x4, x6, x8 tables, up to x12.</p> <p>Recognise multiples of 3, 4, 5, 6 and 8</p> <p>Use written methods to multiply and divide TU x U</p> <p><u>Division and fractions</u></p> <p>Which numbers will have a remainder when you divide them?</p> <p>Divide numbers by single-digit numbers, find remainders</p> <p>Count in 1/4s, 1/3s and 1/10s Find equivalent fractions</p> <p>Understand the link between finding</p>	<p>Recognise decimal and fraction forms of tenths. Solve problems using knowledge of place value.</p> <p>Multiply multiples of 10 and 100 by single-digit numbers.</p> <p>Add and subtract 0.1 and 1 to/from numbers with one decimal place.</p> <p>Use negative numbers in context of temperature. Find differences in temperature.</p> <p>Order positive and negative numbers.</p> <p><u>Written addition and subtraction</u></p> <p>How would you estimate the answer to this addition/subtraction?</p> <p>What method would you use to check your estimate?</p> <p>Use different methods of addition to add three 2-digit numbers.</p> <p>Use rounding to estimate totals.</p> <p>Use rounding to estimate totals.</p> <p>Use column subtraction/counting up</p>	<p>tenths and halves and mark them on a line.</p> <p>Identify equivalent fractions and decimals (0.1s, 1/10s, 1/5s and 1/2s).</p> <p>Add and subtract fractions with the same denominators within 2 wholes using a fraction line.</p> <p><u>Measures: Time :Position and direction</u></p> <p>How many different ways can you represent this time?</p> <p>Tell the time on an analogue clock using am and pm. Understand concept of 24-hour clock.</p> <p>Find times that are 30, 40 and 45 minutes later, crossing the hour.</p>	<p>Order 4/5-digit Round four-digit numbers to the nearest 1000.</p> <p>Count in steps of 25 and 1000 from numbers other than 0.</p> <p>Write numbers to 100 using Roman numerals.</p> <p><u>Measurement: length and capacity</u></p> <p>How many ways can we represent that length using different units of measurement?</p> <p>Convert between units of measurement, e.g. cm to m, g to Kg and ml to L and units of time.</p> <p>Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.</p> <p>Find the area of rectilinear shapes by counting squares.</p> <p><u>Statistics</u></p> <p>What data do we need to collect to</p>	<p>multiplication or division.</p> <p>Choose mental or written method to solve a range of calculations, all four operations.</p> <p>Choose which operations(s) are necessary to solve word problems.</p> <p><u>Geometry: Properties of Shape</u></p> <p>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.</p> <p>Identify acute and obtuse angles, compare and order angles up to 180°.</p> <p>Identify lines of symmetry in 2-D shapes presented in different orientations;</p> <p>complete a simple symmetric figure with respect to one line of symmetry.</p>
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	<p>Describe, name and sort different triangles.</p>	<p>fractions of amounts and division. Find unit fractions and non-unit fraction of amounts.</p> <p><u>Measurement: Time and data</u></p> <p>How shall we record the data we have collected?</p> <p>What does the data tell us?</p> <p>Tell the time to the nearest minute on analogue clocks some with Roman numerals. Convert between digital and analogue times using am and pm. Find times that are 30, 40 and 45 minutes later crossing the hour. Calculate time intervals using a number line crossing over the hour. Write word problems involving time intervals. Time events in seconds.</p>	<p>to subtract 3/4-digit numbers Find change from £5/£10 and differences between prices Use column addition to add amounts of money Use rounding/approximation to estimate the total before carrying out addition. Check subtraction with addition. Subtract any pair of 3-digit numbers choosing a written or mental method. Identify and describe patterns; test out ideas. Add/subtract single-digit numbers to 4-digit numbers, bridging multiples of 10, 100 and 1000. Add/subtract multiples of 10, 100 and 1000 to 4-digit numbers</p> <p><u>Measures and data: Length, weight, bar charts</u></p> <p>Measure lengths in m and cm and record using a decimal point Convert cm into m (2 decimal places).</p>	<p>Read and create 24-hr timetables. Calculate time intervals</p> <p>What is the co-ordinate for the missing corner of this rectangle?</p> <p>Plot and write co-ordinates in the first quadrant. Complete polygons by giving missing points. Describe translations of shapes on a grid and write new co-ordinates.</p> <p><u>Multiplication and division</u></p> <p>Know multiplication and division facts for the 7 and 9 times table. Use commutativity and known facts to derive new multiplication facts. Know most multiplication facts up to 12 and</p>	<p>answer this question?</p> <p>What is the best way to present and understand the data we have collected?</p> <p>Interpret and present discreet data using bar charts, pictograms and tables, and continuous data on time graphs; answer questions re-data.</p>	<p><u>Geometry: position and direction</u></p> <p>What is the co-ordinate for the missing corner of this rectangle?</p> <p>Describe positions on a 2-D grid as coordinates in the first quadrant, plot specified points and draw sides to complete a given polygon Describe movements between positions as translations of a given unit to the left/right and up/down Plot and write co-ordinates in the first quadrant. Complete polygons by giving missing points. Describe translations of shapes on a grid and write new co-ordinates.</p> <p>Consolidation</p>
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		<p>Collect data and record results in bar charts Present data in pictograms where one symbol represents 4 units. Interpret pictograms.</p> <p>Consolidation of use of 4 operations to calculate and problem solve</p>	<p>Measure lengths in cm and mm to one decimal place. Convert lengths from km to m and mm to cm (1 decimal place). Use weight benchmarks to assist with estimating. Weigh items in g and kg to the nearest 100g. Convert from kg to g and from g to kg (1 decimal place). Estimate the order of weights Read scales to one decimal place Record results in a bar chart, one square = 0.1kg. Choose appropriate units of measurement to measure objects. Collect, record and interpret data in a bar chart, choosing a suitable scale.</p>	<p>use commutativity and known facts to derive others. Find factors of numbers up to 40. Multiply single-digit numbers by multiples of 10 and 100.</p> <p>Consolidation Apply calculation skills to solve problems, including time using time tables</p>		
Science	<p>Light</p> <p><u>Key Questions:</u></p> <p>How do we see? Which colours are good and bad reflectors? Are reflections exactly the same as what</p>	<p>Rocks and Fossils</p> <p><u>Key Questions:</u></p> <p>What properties and features can you identify to classify different types of rocks? What are sedimentary, igneous and</p>	<p>Living things and their habitats</p> <p><u>Key Questions:</u></p> <p>What habitat is our local environment? What are the different world habitats?</p>	<p>Plants</p> <p><u>Key Questions:</u></p> <p>What do plants need to grow strong and healthy? What properties do successful plants have? How can we investigate what</p>	<p>Animals Including Humans</p> <p><u>Key Questions:</u></p> <p>Why do all living things need nutrition? What actually happens to food in our bodies? (Create demonstration – then chn write a diary of a</p>	<p>Electricity</p> <p><u>Key Questions:</u></p> <p>What components are needed to run things on electricity? Battery or mains? – What does that mean? What dangers do</p>

	<p>we see in front of us? (reversed)</p> <p>What makes shadows? How do shadows grow smaller/larger?</p> <p><u>Main Work Focus:</u></p> <p>Use learning to create puppets to tell a ghost story incorporating shadow size and translucent and opaque material choices.</p>	<p>metamorphic rock? In our local environment how are different rocks used? Eg . buildngs, walls, bridges etc.How is Mary Anning connected to rocks? Are there different types of soil?</p> <p><u>Main Work Focus:</u></p> <p>Present a This Planet Rocks information program for children in KS2, explaining different types of rocks, fossils and soils.</p>	<p>What does climate change mean and what is causing it?</p> <p>What can we do to help the negative human impact on our environment?</p> <p><u>Main Work Focus:</u></p> <p>Create a Habitat Helpers Fair addressing key issues about human impact on the environment.</p>	<p>affects successful growth?</p> <p>What variable must we keep the same?</p> <p><u>Main Work Focus:</u></p> <p>Create a plant growers guide to successful plants.</p>	<p>piece a food through digestive system) do all animals have similar digestive systems and eat the same things?</p> <p>What types of teeth are there and what do they do?</p> <p>What are the categories of the food chain?</p> <p><u>Main Work Focus:</u></p> <p>Create a class food chain dance, showing prey. Consumers, producers and predators</p>	<p>we face when using electricity?</p> <p>What is a circuit and how do you make one? Are all materials insulators or conductors?</p> <p><u>Main Work Focus:</u></p> <p>Create an electric personality – a character/robot powered by electricity</p>
PHSE Jigsaw Year 3	Being Me in My World	Celebrating Difference	Dreams and Goals	Healthy Me	Relationships	Changing Me
Music Churanga Year 4	<p>First Access Programme</p> <p>All children learn to play an instrument. They develop instrumental skills and explore notations</p>	<p>Christmas presentation</p> <p>Cross curricular opportunity to organise, promote, produce, perform and evaluate a 60 minute presentation involving groups and classes</p>	<p>First Access Programme</p> <p>All children develop their skills to play an instrument. They build on instrumental skills and explore notations</p>	<p>First Access Programme</p> <p>All children develop their skills to play an instrument. They build on instrumental skills and explore notations</p>	<p>First Access Programme</p> <p>All children develop their skills to play an instrument. They build on instrumental skills and explore notations</p>	<p>Cyclic Patterns</p> <p>The children explore the West African Djembe drumming tradition and consider the cultural significance and place of West African drumming. The children listen, play and compose their own pieces.</p>

French Rigalo Year 3	<u>Bonjour!</u> vocabulary games & activities re: names, lessons & timetables greetings, & feelings	<u>En classe</u> vocabulary games & activities re: school equipment,	<u>Mon corps</u> vocabulary games & activities re: parts of the body & comparing features	<u>Rigolo Les animaux</u> vocabulary games & activities re: pets and small animals	<u>Rigolo Ma famille</u> vocabulary games & activities re: families and their relationships	<u>Bon Anniversaire</u> vocab games and activities re: asking for snacks, numbers 21-31, months of the year.
Computing Purple Mash	Coding: Designing and writing programs	Online Safety: How do we stay safe online? Creating a safety presentation Spreadsheets: Formatting and using formulae, using a spreadsheet	Writing for different audiences: Exploring fonts, creating a news report	Logo: Inputting simple instructions, drawing letters and shapes	Animation: Evaluate animated films, adding sounds and backgrounds, using 2Animate Effective Search Locating information, using search to find information	Effective Search Assessing true and reliable information Hardware Investigators Identify and recall parts of a computer
Religious Education Emmanuel Project Year 4 Cycle 2	Christianity How does believing Jesus is their saviour inspire Christians to save and serve others?	Islam Why do Muslims call Muhammad the 'seal of the prophets'?	Hinduism How does the story of Rama and Sita inspire Hindus to follow their dharma?	Sikhism How does the teaching of the gurus move Sikhs from dark to light?	Christianity Why do Christians believe they are people on a mission?	Sikhism How do Sikhs put their beliefs about equality into practice?
Art	Drawing Develop and practice drawing techniques. Learn about Pablo Picasso and re-create portraits,	Explore cave drawings found around the world, re-create own cave paintings from the past.	Painting Explore colour mixing. Investigate and re-create Henri Rousseau rainforest paintings,	Collage Investigate joining different materials re-create rainforest scenes, explore Henri Matisse animal art	Printing Investigate roman patterns and artwork. Explore and create individual mosaic designs.	Sculptures Explore roman art through sculptures of roman myths. Create a class sculpture using clay statues.

		Re-create Andy Goldsworthy natural art				
Design Technology	Design, create and evaluate a stone age house, joining and fixing a range of materials.		Investigate, prepare, taste and evaluate 'forest foods'.		Create a roman chariot – joining and fixing, wheels and axels using construction equipment.	
PE	Team Games Throwing and catching, games including striking and fielding, 1:1, 1:2, 1:3	Invasion Games Improve basic skills, games based on using space, attacking and defending	Swimming Gymnastics Develop basic movements on floor and apparatus, creating sequences.	Swimming Circuit training Develop co-ordination skills and meet challenges for distance and time.	Athletics Improve skills in running, throwing, catching, jumping etc.	Tennis/Rounders Develop team skills playing games with rackets and following rules.