

Long Term Overview

Year 4



	Autumn 1 Stone Age to the Iron Age	Autumn 2 Burps, Bottoms and Bile	Spring 1 & Spring 2 Rotten Romans		Summer 1 & Summer 2 Water, Water Everywhere	
Mathematics	Place Value <ul style="list-style-type: none"> - count in multiples of 6, 7, 9, 25 and 1000 - find 1000 more/less than a given number - recognise the place value of each digit in a 4-digit number - order and compare numbers beyond 1000 - round numbers to the nearest 10, 100 and 1000 - count backwards through zero to include negative numbers - read Roman numerals to 100 - solve number and practical problems that involve all of the above 	Addition and Subtraction <ul style="list-style-type: none"> - estimate and use the inverse operations to check answers - solve problems in context 	Multiplication and Division <ul style="list-style-type: none"> - recall multiplication facts up to 12×12 - recognise and use factor pairs and commutativity - use place value known and derived facts to multiply and divide mentally - multiply 2- and 3-digit numbers by 1-digit numbers using a formal written method - solve problems involving multiplying and adding 	Fractions <ul style="list-style-type: none"> - calculate fractions of amounts/quantities - add and subtract fractions with the same denominator 	Decimals <ul style="list-style-type: none"> - recognise and write the decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$ - compare and order numbers with the same number of decimal places 	Geometry <ul style="list-style-type: none"> - describe positions on a grid and plot points on a grid - describe translations of a point on a grid
	Addition and Subtraction <ul style="list-style-type: none"> - add/subtract numbers with up to 4-digits using formal written methods - estimate and use the inverse to check answers 	Area <ul style="list-style-type: none"> - find the area of rectilinear shapes Multiplication and Division <ul style="list-style-type: none"> - multiply a number by 1 and 0 - divide a number by 1 and itself 	Length and Perimeter <ul style="list-style-type: none"> - convert between different units of measure - calculate the perimeter of rectilinear figures 	Decimals <ul style="list-style-type: none"> - count in tenths and hundredths - recognise and write the decimal equivalents of tenths and hundredths - find the effect of dividing by 10 and 100 - round decimals to the nearest whole number 	Geometry <ul style="list-style-type: none"> - compare and classify geometric shapes - identify, order and compare acute and obtuse angles - identify lines of symmetry in 2D shapes and complete simple symmetric figures 	Money <ul style="list-style-type: none"> - estimate, compare and calculate money in £ and p Time <ul style="list-style-type: none"> - read, write and convert time between analogue and digital - convert units of time Statistics <ul style="list-style-type: none"> - interpret and present data using graphical methods - solve comparison, sum and difference problems

			Fractions - count up and down in hundredths - recognise how tenths and hundredths arise - recognise and show families of equivalent fractions		
Literacy	Books – Stone Age Boy, Stig of the Dump (Guided Reading) Writing – Postcard, Setting Description, Story Writing, Kennings Reading – Retrieval skills, Poetry Punctuation and Grammar – Word classes, Sentence types, Plural/Possessive ‘s’, Apostrophes for contraction, Apostrophes for possession, Adverbs of time/place/manner, Inverted commas Spellings – Prefix in-, Prefix im-, Prefixes il- and ir-, Prefixes sub- and super-, Prefixes anti- and auto-	Books – The Quest to Digest, The Lucky Escape, Range of Non-Fiction Texts (Guided Reading) Writing – Instructions, Diary Entry, Non-chronological Report Reading – Retrieval, Inference, Vocabulary Punctuation and Grammar – Expanded noun phrases – 2A sentences and adding prepositional phrases, Verb inflections, BOYS sentences, Fronted adverbials, Main and subordinate clauses Spellings – Adverbs of manner, Adverbs of time, Adverbs of place, Nouns ending –ation, Y3/4 word lists 1 and 2	Books – Escape from Pompeii, Romans on the Rampage, Empire’s End – A Roman Story (Guided Reading) Writing – Simile Poems, Book Review, Setting Description, Diary Writing, Informal Letter, Persuasive Advert, Newspaper Report Reading – Poetry, Sequencing, True/False Questions, Table Questions, Summarising, Predicting Punctuation and Grammar – Similes, Metaphors, Pronouns, Determiners, Modifiers, Modal verbs, Synonyms/antonyms, Fronted adverbials of manner, 2 pair sentences, Inverted commas (layout) Spellings – Suffix –sure, Suffix –ture, Suffix –sion, Suffix –ssion, Suffix –tion, Suffix –cian, Suffix –ous (no change to root word), Suffix –ous (no root word), Suffix –ous (-our changed to –or), Suffix –ous (-y becomes I), Suffix –ous (root word ends in e)	Books – Flotsam, Rhythm of the Rain, Song of the Dolphin Boy, The Water Horse (Guided Reading) Short Film – Contre Temps Writing – Descriptive Writing, Character Description, Formal Letter, Explanation Text, Narrative Dialogue, Rhyming Poetry Reading – Inference, Summarising, Predicting, Retrieval, Poetry Punctuation and Grammar – Co-ordinating conjunctions, Subordinating conjunctions, Embedded clauses, Colons in a list, Colons in clauses, Inverted commas (recap), De:De sentences, Past progressive tense Spellings – Possessive apostrophes (plurals), Suffix –ary, Words spelt –ar, Words spelt –er, Word families uni/bi/tri/quad, Word families pent/hex/oct/dec, Word families acro/acu/accu/aero, Word families ann/annu/aqua/astro, Word families bi/bio, Word families cert/chrono/circ,, Word families co/corp, Word families demo/dent/dia	

Religious Education	People (Come and See Topic 1), Hinduism , Judaism	Called (Come and See Topic 2), Gift (Come and See Topic 3)	Community (Come and See Topic 4), Giving and Receiving (Come and See Topic 5)	Giving and Receiving (Come and See Topic 5), Self-Discipline (Come and See Topic 6)	New Life (Come and See Topic 7), Building Bridges (Come and See Topic 8)	Building Bridges (Come and See Topic 8), God's People (Come and See Topic 9)
Science	<p>Living Things and Their Habitats</p> <ul style="list-style-type: none"> - Understand that living things can be grouped in a variety of ways. - Use classification keys to group and identify a variety of living things. - Understand the impact of humans on the environment. <p>Working Scientifically:</p> <ul style="list-style-type: none"> - gathering, recording, classifying and presenting data in a variety of ways - recording findings using simple scientific language, drawing, labelled diagrams, keys, bar charts and tables - making systematic and careful observations 	<p>Animals including Humans</p> <ul style="list-style-type: none"> - 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 food chains, identifying producers, consumers, predators and prey. - Investigate the effect of a variety of substances on teeth. <p>Working Scientifically:</p> <ul style="list-style-type: none"> - asking relevant questions and using different types of scientific enquiries to answer them - setting up practical enquiries, comparative and fair tests - reporting on findings from enquiries 	<p>Electricity</p> <ul style="list-style-type: none"> - Identify appliances which use electricity. - Construct a simple circuit and identify its basic parts - Identify if a circuit is complete or not. - Recognise that a switch opens and closes a circuit. - Recognise some common conductors and insulators. <p>Working Scientifically:</p> <ul style="list-style-type: none"> - asking relevant questions and using different types of scientific enquiries to answer them - setting up practical enquiries, comparative and fair tests - reporting on findings from enquiries - using straightforward scientific evidence to answer questions or to support their findings 		<p>States of Matter</p> <ul style="list-style-type: none"> - 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. - Identify the part played by evaporation and condensation in the water cycle. - Identify that evaporation happens more quickly in hotter temperatures. <p>Working Scientifically:</p> <ul style="list-style-type: none"> - using straightforward scientific evidence to answer questions or to support their findings - using results to draw simple conclusions, make prediction for new values, suggest improvements and raise further questions 	<p>Sound</p> <ul style="list-style-type: none"> - Identify how sounds are made. - Recognise that vibrations from sounds travel to the ear - Find patterns between the pitch of a sound and the object that produced it - Find patterns between the volume of a sound and the strength of the vibrations. - Recognise that sounds get fainter as the distance from the sound source increases <p>Working Scientifically:</p> <ul style="list-style-type: none"> - setting up practical enquiries, comparative and fair tests - reporting on findings from enquiries - identifying differences, patterns, similarities or changes

Computing	Online Safety (Purple Mash Unit 4.2) Effective Searching (Purple Mash Unit 4.7)	Writing for Different Audiences (Purple Mash Unit 4.4)	Animation Coding (Purple Mash Unit 4.6) (Purple Mash Unit 4.1)	Using Logo (Purple Mash Unit 4.5)	Spreadsheets (Purple Mash Unit 4.3)	Hardware Investigators (Purple Mash Unit 4.8) Making Music (Purple Mash Unit 4.9)
History	Stone Age to the Iron Age <ul style="list-style-type: none"> - Understand that a timeline can be divided into BC and AD - Begin to use the terminology Primary and Secondary in relation to sources - Ask questions about the past and find out the answers - Describe the similarities and differences between the Stone Age and Iron Age - Use evidence to describe what was important to people from the past - Describe the main changes throughout this period of history Black History Month		Rotten Romans <ul style="list-style-type: none"> - Order significant events on a pre-drawn timeline - Use evidence to show how the lives of the rich and poor differed - Describe how some things from the Roman Empire have influenced how we live today - Use evidence to find out about historical figures e.g., Julius Caesar/Boudicca - Look at different versions of the same event in history and identify the differences - Understand the difference between facts and opinions 			
Geography		Map Skills <ul style="list-style-type: none"> - Recap the 8 points of a compass - Use 4-figure grid references 	Italy <ul style="list-style-type: none"> - Understand geographical similarities and differences through the study of human and physical geography in Italy and the UK 	The Water Cycle and Rivers <ul style="list-style-type: none"> - Ask geographical questions and find out the answers - Know and label the parts of a river - Explore the journey of a river for source to mouth 		

		<ul style="list-style-type: none">- Understand simple grid references, symbols and keys when using maps- Name and locate the countries in Europe- Use primary and secondary sources of information	<ul style="list-style-type: none">E.g., population, land use, rivers, oceans, mountains, tourism, weather- Express their own views about people, places and environments- Identify some of Italy's mountains and explain how they are formed- Explore natural resources and industry in Italy as well as trade links with the UK	<ul style="list-style-type: none">- Describe and understand key aspects of the water cycle- Create a water cycle in a bag and observe the different stages of the process		
Art	<p>Cave Paintings</p> <ul style="list-style-type: none">- Understand the historical setting of cave art- Know that different gradients of pencil produce different types of lines- Explore using charcoal- Use the internet to research cave art	<p>Self-portraits</p> <ul style="list-style-type: none">- Draw self-portraits with increasing accuracy by using grid lines- Know the primary and secondary colours- Mix and match colours to those in a work of art- Mix flesh colours	<p>Roman Mosaics and Purses (Collage/Textiles)</p> <ul style="list-style-type: none">- Use mosaics to create pictures- Use a variety of stitched to make a Roman purse <p>Kaso (Digital Media/3D Design)</p> <ul style="list-style-type: none">- Begin to use IT to combine text and graphics to present research- Plan, design and make models/sculptures inspired by Kaso's artwork- Use a variety of joining techniques and materials to make models/sculptures- Use tools safely and with increasing accuracy		<p>Kaso (Digital Media/3D Design)</p> <ul style="list-style-type: none">- Use the photocopier to reproduce and resize images- Print with at least 3 colours- Create own printing blocks <p>Monet</p> <ul style="list-style-type: none">- Record and explore ideas from first hand observations, experience and their imagination- Evaluate the work of Monet saying how it makes them feel and what they like/dislike- Compare the work of Monet to that of Kaso- Begin to use collage as a means of collecting ideas and information	
Music	<ul style="list-style-type: none">- Listening and appraising- Improvisation- Composition		<ul style="list-style-type: none">- Recorders- Performing		<ul style="list-style-type: none">- Handel's Water Music- Listening and appraising- Improvisation- Composition- Performing	
Design Technology	<p>Stone Age Tools</p> <ul style="list-style-type: none">- Begins to model ideas by creating simple prototypes- Explain their choice of tools/equipment		<p>Making Pizzas</p> <ul style="list-style-type: none">- Describe the purpose of their product- Gather opinions from a target audience- Develop their own design criteria to inform their ideas- Understand that food can be grown, reared or caught			

	Identify risks and work safely with tools - Mark out, cut and shape materials - Assemble, join and combine materials - Understand that materials have functional and aesthetic qualities - understand that materials can be combined to create useful characteristics		- Understand that recipes can be adapted - Create and prepare a pizza showing due care for food hygiene - Evaluate ready-made pizzas - Evaluate their own pizza Roman Purses - Identify strengths and areas for development in their product - Analyse how their product has been designed and made - Consider how well the product meets the needs of the user			
Physical Education	Mindfulness Boccia	Space Game Sense/Invasion	Bridges Handball	Competitions Tennis	Cricket Rounders	Communication and Tactics Athletics
Happy, Healthy Me	Marvellous Me - Explore the importance of healthy eating. - Discuss our hobbies and understand the importance of keeping active. - Explore our different emotions and know that different things can affect people's emotions in different ways. - Identify ways of dealing with our emotions. - Set achievable goals for ourselves. Say NO to Bullying	Working Together - Explore how to be a good friend. - Explore how to work well with others. - Explore what makes us angry and how to deal with anger. - Explore how people are different and celebrate our differences. Equality – When to be assertive	Being Responsible - Understand how we can manage money and finances. - Explore our local area and immigration. - Understand that there are fair trade products and what it means to be fair trade... - Understand that alcohol is found in some drinks. Equality – Understand why people choose to get married	Good to be Me - Understand the different types of learners. - Understand the fight, flight and freeze responses to feeling threatened. - Understand the things that make us feel worried and what we can do about our worries. - Understand how our thoughts and feelings can be influenced by others.	Relationships - Explore their feelings within the context of our important relationships. - Understand how to manage conflict in relationships and learn how to compromise. Equality – Asking questions	Changes - Understand different types of changes both positive and negative - Understand the changes in our bodies from being in the womb to growing up. RSE – Growing and differences - Explore how we grow and gain an understanding of how we develop from being in the womb, and then grow from babies to children to adults.

	British Values			Equality – Overcome language as a barrier		- Understand how each person is different and the feelings and emotions they might experience around those differences.
Languages		Fruits <ul style="list-style-type: none"> - Name and recognise up to 10 fruits in French. - Attempt to spell some of these nouns. - Ask somebody in French if they like a particular fruit. - Say what fruits they like and dislike. 		Ancient Britain <ul style="list-style-type: none"> - Learn the French for “I am” (Je suis), “I have” (J’ai) and “I live” (J’habite). - Name in French, the six key periods of ancient Britain, introduced in chronological order. - Be able to say in French three of the types of people who lived in ancient Britain. - Tell somebody in French the three key hunting tools used during the stone age, bronze age and iron age in ancient Britain. - Name the three types of dwellings people lived in during the stone, bronze and iron ages. 		Vegetables <ul style="list-style-type: none"> - Name and recognise up to 10 vegetables in French. - Attempt to spell some of these nouns (including the correct determiner/article) - Learn simple vocabulary to facilitate a role play about buying vegetables from a market stall. - Say if they would like one kilo or a half kilo of a particular vegetable or selection of vegetables.