

Curriculum Overview

Year 6



THE
MAYNARD
SCHOOL

JUNIOR SCHOOL

	Autumn Term	Spring Term	Summer Term
Maths	<p>Number and Place Value:</p> <ul style="list-style-type: none"> - Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit. - Round any whole number to a required degree of accuracy. - Use negative numbers in context and calculate intervals across zero. <p>Addition, Subtraction, Multiplication and Division:</p> <ul style="list-style-type: none"> - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. - Identify common factors, common multiples, and prime numbers. - Multiply up to a 4-digit number by a 2-digit. - Short division and division using factors. - Divide a 4-digit number by a 2-digit. - Order of operations and brackets. - Mental calculations. <p>Fractions</p> <ul style="list-style-type: none"> - Equivalent fractions and simplifying. - Compare and order fractions. - Add and subtract fractions. - Multiply fractions by integers and fractions by fractions. 	<p>Ratio and Proportion:</p> <ul style="list-style-type: none"> - Use ratio language and introduce the ratio symbol. - Scale drawing and scale factors. - Ratio problems. - Problem solving. <ul style="list-style-type: none"> • Algebra: <ul style="list-style-type: none"> - Find a rule – one and two steps. - Form expressions. - Substitution. - Formulae. - Form and solve equations – one and two step. - Find pairs of values. <p>Fractions including decimals and percentages:</p> <ul style="list-style-type: none"> - Place value to 3 decimal places. - Round decimals. - Add and subtract decimals. - Multiply by 10,100 and 1,000. - Multiply and divide decimals by integers. - Fractions to decimals. - Understand percentages. - Fractions to percentages. - Equivalent fractions, decimals and percentages. - Order fractions, decimals and percentages. 	<ul style="list-style-type: none"> • Statistics: <ul style="list-style-type: none"> - Interpret line graphs. - Draw line graphs. - Advanced bar charts. - Understand and complete pie charts. - Read and interpret pie charts. - Pie charts and fractions. - Pie charts and percentages. - Introduction to the mean. - Calculate the mean. • Geometry – properties of shapes: <ul style="list-style-type: none"> - Measure and classify angles. - Vertically opposite angles. - Angles in a triangle. - Angles in quadrilaterals. - Angles in polygons. - Circles. - Parts of a circle. - Draw shapes accurately. - Nets of 3D shapes. • Geometry – position and direction: <ul style="list-style-type: none"> - The first quadrant. - Read and plot points in four quadrants. - Translations. - Reflections. - Solve problems with coordinates. • Number – addition, subtraction,

	<ul style="list-style-type: none"> - Divide a fraction by an integer. - Fractions of an amount. <ul style="list-style-type: none"> • Measurement - Metric measures. - Convert metric measures. - Calculate metric measures. - Miles and Kilometres. - Imperial measures. 	<ul style="list-style-type: none"> - Percentages of an amount. <ul style="list-style-type: none"> • Measurement – perimeter, area and volume: - Area and perimeter. - Area of a triangle. - Area of a parallelogram. - Problem solving – perimeter and area. - Volume of a cuboid. 	<p>multiplication, and division:</p> <ul style="list-style-type: none"> - Problem solving with place value, negative numbers and the four operations. - Problem solving with fractions, decimals, percentages and ratio and proportion. - Problem solving with time, position and direction and properties of shapes.
English	<p>Non-fiction unit (short): World War One: ‘To write a page of a non-fiction book about WW1 that is accurate, eye-catching, clear and interesting.’</p> <p>Fiction unit (long): War Horse by Michael Morpurgo: ‘To write a story set in the trenches of WW1 that is engaging, descriptive, clear and realistic.’</p> <p>Reading skills:</p> <ul style="list-style-type: none"> - Prediction. - Summarising. - Comprehension. - Character studies. - Story mapping. - Using evidence from the text. - Inferring how characters are feeling. - Likes/dislikes/puzzles/patterns. <p>Writing skills:</p> <ul style="list-style-type: none"> - Writing in character. - Retelling a section of the story. - Writing a description of a setting. - Write the ending of a text. - Write a dialogue between characters. - Make notes and organise information into clear paragraphs. 	<p>Non-fiction unit: Biography Writing using Frida Kahlo Biography: ‘To write a biography about an inspirational woman that is interesting and inspirational, engaging, clear and accurate.’</p> <p>Reading skills:</p> <ul style="list-style-type: none"> - Identifying key features. - Likes/dislikes/puzzles/patterns. - Comprehension. - Prediction and summarise. - Using evidence from text. - Make notes effectively. <p>Writing skills:</p> <ul style="list-style-type: none"> - Improve (uplevel) paragraphs using descriptive language. - Write a diary entry using captivating detail/write in character. <p>Vocabulary, Grammar, Spelling and Punctuation:</p> <ul style="list-style-type: none"> - Fronted adverbials for sentences and paragraphs. - Similes. - Double consonant. - Ough letter patterns. - Vocabulary from text and glossary work. - Apostrophes used for possession and contractions. 	<p>Fiction unit: Escape to the River Sea: ‘To write a descriptive story set on the Amazon that is descriptive, action-packed, realistic and clear.’</p> <p>Reading skills:</p> <ul style="list-style-type: none"> - Authorial choice. - Chart character feelings. - Character study - Comprehension <p>- Using inference and evidence from text</p> <p>Writing skills:</p> <ul style="list-style-type: none"> - Write from a different perspective. - Write dialogue between characters. - Continue the story at various points. <ul style="list-style-type: none"> - Write alternative endings. <p>Vocabulary, Grammar, Spelling and Punctuation:</p> <ul style="list-style-type: none"> - Subordinate clauses used at the start, within and at the end of a sentence. <ul style="list-style-type: none"> - Metaphors - Cohesion between sentences and paragraphs. - Vocabulary from text and synonyms and antonyms. - Widening range of punctuation

	Vocabulary, Grammar, Spelling and Punctuation: <ul style="list-style-type: none"> - Different sentence structures. - Conjunctions. - Adverbial phrases. - Cohesion between paragraphs. - Different types of sentences. - Punctuating speech. - Correct use of comma. - Vocabulary from text and synonyms. - Able/ible spelling patterns. 	<ul style="list-style-type: none"> - Widening range of punctuation used. 	<p>including for parenthesis.</p> <ul style="list-style-type: none"> - Homophones. <p>Poetry unit: Performance Poetry with a focus on Benjamin Zephaniah.</p>
Science	<ul style="list-style-type: none"> • Safe working practice in the laboratory including using Bunsen burners and how to ensure fair testing within experiments. • Investigating physical and chemical changes by carrying out a range of investigations. - Focus on the difference between a physical and chemical change. - Learn how to correctly report on an investigation. - Become confident in the laboratory. • Body Pump (Animals including Humans): - What does my circulatory system do? - To describe the three main parts of the circulatory system and describe the job of the heart. - To understand how a blood vessel is made up. - To investigate what blood consists of. - 'Build your own blood' activity. - To understand the role of water in the body. - To understand healthy life choices. 	<ul style="list-style-type: none"> • Classification: - To use classification keys to classify different organisms including reptiles, mammals. - To identify different animals using a dichotomous key. - Design a classification key for plants. - To learn the names of the sections within the classification key for living things: Domain, Kingdom, Phylum, Class, Order, Family, Genus and Species. • Evolution and Inheritance: - Key vocabulary. - To learn about inherited characteristics. - Investigate inheritance and Variation. - Learn how offspring vary. - To study different habitats and their adaptations. - To learn about adaptive traits. - To study the Theory of Evolution and learn about key scientists involved in its development. - Visit to National Aquarium in Plymouth 	<ul style="list-style-type: none"> • Electricity: - To associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit. - To compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches. - To use recognised symbols when representing a simple circuit in a diagram. • Light: - To recognise that light appears to travel in straight lines. - To use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye. - Be able to explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes. - Use the idea that light travels in

			straight lines to explain why shadows have the same shape as the objects that cast them.
History	Short study: WW1 (to give context to War Horse). Local Exeter visit to RAMM Long study: A study of Medieval Japan and the history and the role of the Samurai.	Study of the Ancient Aztec Civilisation and a study of the similarities and differences with The Maya Civilisation.	Battle of Britain (A significant turning point in British History) link with a local history study – Exeter Blitz.
Geography	Mountain environments	Central and South America	Rivers Map work
RS	What Matters Most The Christmas Story	Creation Stories Eternity	Humanism Justice and Freedom
PSHE	VIPs – relationships Safety First – Health and Wellbeing	One World – Living in the Wider World Digital Wellbeing - Relationships	Money Matters – Living in the Wider World Growing Up – Health and Wellbeing (incorporating RSE)
Computing	Bletchley Park and the history of computers AI	Big Data Intro into Python	Big Data 2 Inventing a Product
Modern languages	Food and drink Enjoy your meal Ice cream	Free time activities Classroom language School rooms School subjects What are you wearing?	Cultural contexts Play vocabulary builder Work on script (Monsieur le veterinaire and one other) Performance of play

PE	Hockey / Netball Gymnastics / Dance House Hockey Competition Preparation for Christmas Gym & Dance Show	Netball / Dance X-Country / Gymnastics Swimming (tbc) House Netball & X-Country Competitions Preparation for Dance Showcase	Cricket/Tennis Swimming/Athletics House Cricket & Swimming competitions Preparation for Sports Day Residential to Barton Hall PGL
Music	Revision of the concepts of rhythm, pitch and notation. Perform 4 part rhythmic clapping fugue and compose something similar The pentatonic scale and its use in multi-part improvisation and 2 part written composition. Introducing the Blues and practical performance of a 'Classroom Blues' Christmas class singing Class Concert and Junior Showcase Listening: BBC Ten Pieces or the 2021 Model Music Curriculum non-statutory guidance suggestions Junior School singing Ukuladies (optional)	Continuing study of the Blues: practical performance of a 'Classroom Blues' and class composition Dots and triplets and composition incorporating these elements in composition Improvisation/composition based on Britten's Peter Grimes Sea Interludes Learning about tones, semitones, sharps, flats, naturals and major and minor scales. Listening: as before Junior School singing Ukuladies (optional) Junior School Choir (optional)	Composition making use of an original scale and incorporating dots and triplets Ground Bass: study and composition Performance of 2-part percussion piece with dynamics. Testing of general musical knowledge. Preparations for the summer show Listening: as before Ukuladies (optional) Junior School Choir (optional)
Textiles	Introduction to Textiles Using the sewing machine Safe use of the iron Using a pattern template Making "Cute Dog"	Sustainable Wool Research and design - Impressionism Making a wet felted bag Illustration	Sustainable Cotton Accurate measuring – using a commercial pattern to make a pair of well-fitting pj shorts Using the sewing machine and overlocker

Food & Nutrition	Food preparation skills Healthy Eating Basic nutrition	Food preparation skills Healthy Eating Basic nutrition	Food preparation skills Healthy Eating Basic nutrition
Art	Pop Art: Focus on Warhol and Lichtenstein Optical Illusion Art	Art inspired by Frida Kahlo and making a clay pot in the style of Frida Kahlo	Designing and creating a mask and headdress in the style of South American Mardi Gras.