



Amherst School CURRICULUM OVERVIEW – LONG TERM PLANNING (2023/2024)

MATHS OVERVIEW

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Number Place value FREE TRIAL VIEW		Number Addition and subtraction VIEW		Number Multiplication and division A VIEW			Number Fractions A VIEW				
Spring term	Number Multiplication and division B VIEW		Number Fractions B VIEW		Number Decimals and percentages VIEW			Measurement Perimeter and area VIEW		Statistics VIEW		
Summer term	Geometry Shape VIEW		Geometry Position and direction VIEW		Number Decimals VIEW			Number Negative numbers VIEW	Measurement Converting units VIEW		Measurement Volume VIEW	



	AUTUMN Term 1 / Term 2	SPRING Term 3 / Term 4	SUMMER Term 5 / Term 6
MATHS OBJECTIVES	<p>Number – number & place value</p> <ol style="list-style-type: none"> 1. Roman numerals to 1,000 2. Numbers to 10,000 3. Numbers to 100,000 4. Numbers to 1,000,000 5. Read and write numbers to 1,000,000 6. Powers of 10 7. 10/100/1,000/10,000/100,000 more or less 8. Partition numbers to 1,000,000 9. Number line to 1,000,000 10. Compare and order numbers to 100,000 11. Compare and order numbers to 1,000,000 12. Round to the nearest 10, 100 or 1,000 13. Round within 100,000 14. Round within 1,000,000 <p>Number – addition & subtraction</p> <ol style="list-style-type: none"> 1. Mental strategies 2. Add whole numbers with more than four digits 	<p>Number – multiplication & division continued</p> <ol style="list-style-type: none"> 1. Multiply up to a 4-digit number by a 1-digit number 2. Multiply a 2-digit number by a 2-digit number (area model) 3. Multiply a 2-digit number by a 2-digit number 4. Multiply a 3-digit number by a 2-digit number 5. Multiply a 4-digit number by a 2-digit number 6. Solve problems with multiplication 7. Short division 8. Divide a 4-digit number by a 1-digit number 9. Divide with remainders 10. Efficient division 11. Solve problems with multiplication and division <p>Number – fractions continued</p> <ol style="list-style-type: none"> 1. Multiply a unit fraction by an integer 2. Multiply a non-unit fraction by an integer 3. Multiply a mixed number by an 	<p>Geometry – Shape</p> <ol style="list-style-type: none"> 1. Understand and use degrees 2. Classify angles 3. Estimate angles 4. Measure angles up to 180° 5. Draw lines and angles accurately 6. Calculate angles around a point 7. Calculate angles on a straight line 8. Lengths and angles in shapes 9. Regular and irregular polygons 10. 3-D shapes <p>Geometry – position and direction</p> <ol style="list-style-type: none"> 1. Read and plot coordinates 2. Problem solving with coordinates 3. Translation 4. Translation with coordinates 5. Lines of symmetry 6. Reflection in horizontal and vertical lines <p>Number - decimals</p> <ol style="list-style-type: none"> 1. Use known facts to add and subtract decimals within 1 2. Complements to 1



	<ol style="list-style-type: none"> 3. Subtract whole numbers with more than four digits 4. Round to check answers 5. Inverse operations (addition and subtraction) 6. Multi-step addition and subtraction problems 7. Compare calculations 8. Find missing numbers. <p>Number – multiplication & division</p> <ol style="list-style-type: none"> 1. Multiples 2. Common multiples 3. Factors 4. Common factors 5. Prime numbers 6. Square numbers 7. Cube numbers 8. Multiply by 10, 100 and 1,000 9. Divide by 10, 100 and 1,000 10. Multiples of 10, 100 and 1,000 <p>Number – Fractions</p> <ol style="list-style-type: none"> 1. Find fractions equivalent to a unit fraction 2. Find fractions equivalent to a non-unit fraction 3. Recognise equivalent fractions 	<p>integer</p> <ol style="list-style-type: none"> 4. Calculate a fraction of a quantity 5. Fraction of an amount 6. Find the whole 7. Use fractions as operators <p>Number- decimals and percentages</p> <ol style="list-style-type: none"> 1. Decimals up to 2 decimal places 2. Equivalent fractions and decimals (tenths) 3. Equivalent fractions and decimals (hundredths) 4. Equivalent fractions and decimals 5. Thousandths as fractions 6. Thousandths as decimals 7. Thousandths on a place value chart 8. Order and compare decimals (same number of decimal places) 9. Order and compare any decimals with up to 3 decimal places 10. Round to the nearest whole number 11. Round to 1 decimal place 12. Understand percentages 13. Percentages as fractions 14. Percentages as decimals 15. Equivalent fractions, decimals and percentages 	<ol style="list-style-type: none"> 3. Add and subtract decimals across 1 4. Add decimals with the same number of decimal places 5. Subtract decimals with the same number of decimal places 6. Add decimals with different numbers of decimal places 7. Subtract decimals with different numbers of decimal places 8. Efficient strategies for adding and subtracting decimals Decimal sequences 9. Multiply by 10, 100 and 1,000 10. Divide by 10, 100 and 1,000 11. Multiply and divide decimals – missing values <p>Number – negative numbers</p> <ol style="list-style-type: none"> 1. Understand negative numbers 2. Count through zero in 1s 3. Count through zero in multiples 4. Compare and order negative numbers 5. Find the difference <p>Measurement – converting units</p> <ol style="list-style-type: none"> 1. Kilograms and kilometres 2. Millimetres and millilitres 3. Convert units of length 4. Convert between metric and imperial
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	<ol style="list-style-type: none"> 4. Convert improper fractions to mixed numbers 5. Convert mixed numbers to improper fractions 6. Compare fractions less than 1 7. Order fractions less than 1 8. Compare and order fractions greater than 1 9. Add and subtract fractions with the same denominator 10. Add fractions within 1 11. Add fractions with total greater than 1 12. Add to a mixed number 13. Add two mixed numbers 14. Subtract fractions 15. Subtract from a mixed number 16. Subtract from a mixed number – breaking the whole 17. Subtract two mixed numbers 	<p>Measurement- perimeter and area</p> <ol style="list-style-type: none"> 1. Perimeter of rectangles 2. Perimeter of rectilinear shapes 3. Perimeter of polygons 4. Area of rectangles 5. Area of compound shapes 6. Estimate area <p>Statistics</p> <ol style="list-style-type: none"> 1. Draw line graphs 2. Read and interpret line graphs 3. Read and interpret tables 4. Two-way tables 5. Read and interpret timetables 	<p>units</p> <ol style="list-style-type: none"> 5. Convert units of time 6. Calculate with timetables <p>Measurement – volume</p> <ol style="list-style-type: none"> 1. Cubic centimetres 2. Compare volume 3. Estimate volume 4. Estimate capacity <p>Other topics touched upon in preparation for Year 6 outside of Year 5 National Curriculum:</p> <ol style="list-style-type: none"> 1. Volume 2. Ratio and proportion 3. Algebra 4. Mean, mode, median, range 5. Circles 6. Probability
<p>ENGLISH</p>	<p>Term 1 Unit 1 – Topic Linked – <i>Street Child</i> (Berlie Doherty) (7 weeks)</p> <p>Term 2 Unit 2 – Whole-school text (3 weeks)</p>	<p>Term 3 Unit 4 – Topic Linked – Suspense story – <i>The Explorer</i> (Katherine Rundell) (6 weeks)</p> <p>Term 4 Unit 5 – Whole-school text (3 weeks) Unit 6 – Balanced argument -</p>	<p>Term 5 Unit 8 – <i>Stories from other cultures</i> – Holes (7 weeks)</p> <p>Term 6 Unit 9 – Topic Linked – Greek Mythical Beast descriptions (1 week)</p>

Year Group 5



	Unit 3 – Topic Linked – Newspapers and non-chronological reports (3 weeks)	deforestation (1 week) Unit 7 – Poetry – <i>The Highway Man</i> (Alfred Noyes) (2 weeks)	Unit 10 – Stories from other cultures – <i>The Boy at the Back of the Class</i> (Onjali Rauf) (4 weeks)
READING Daily whole-class and independent reading. Comprehension skills taught through guided reading sessions and standalone English lessons.	<p>Term 1</p> <ul style="list-style-type: none"> • Street Child • Great Expectations/A Christmas Carol/similar texts in guided reading sessions <p>Term 2</p> <ul style="list-style-type: none"> • Whole-school text • Information texts on The Victorians • Class novel chosen by teacher • Great Expectations/A Christmas Carol/similar texts in guided reading sessions 	<p>Term 3</p> <ul style="list-style-type: none"> • The Explorer <p>Term 4</p> <ul style="list-style-type: none"> • Whole-school text • The Explorer • The Highway Man • Class novel chosen by teacher 	<p>Term 5</p> <ul style="list-style-type: none"> • Holes • Greek myths and legends • Class novel chosen by teacher <p>Term 6</p> <ul style="list-style-type: none"> • The Boy at the Back of the Class • Greek myths and legends and plays • Class novel chosen by teacher
GRAMMAR AND PUNCTUATION	<p>Term 1</p> <ul style="list-style-type: none"> • Recap word classes: nouns, verbs, adjectives, adverbs • Inverted commas 	<p>Term 3</p> <ul style="list-style-type: none"> • Verb prefixes (e.g. dis-, de-, mis-, over- and re-) • Modal verbs 	<p>Term 5</p> <ul style="list-style-type: none"> • Adding and removing extra information in a sentence: brackets, ellipses and dashes

Year Group 5



	<ul style="list-style-type: none"> • Sentence endings: question marks • Clauses: main, subordinate and relative • Apostrophes for contractions and possession <p>Term 2</p> <ul style="list-style-type: none"> • Types of sentences: simple, compound and complex • Singular and plural nouns • Commas for a list • Fronted adverbials • Sentence endings: exclamation marks • Converting nouns or adjectives into verbs using suffixes (e.g. –ate; -ise; -ify) 	<ul style="list-style-type: none"> • Conjunctions • Synonyms and antonyms • Prefixes <p>Term 4</p> <ul style="list-style-type: none"> • Brackets, dashes and commas to indicate parenthesis • Use of commas to clarify meaning • Suffixes • Time conjunctions • Semi-colons • Colons 	<ul style="list-style-type: none"> • Simple past and present • Determiners • Prepositions <p>Term 6</p> <ul style="list-style-type: none"> • Showing pauses, make lists, and add extra information in the middle of a sentence: commas, hyphens and bullet points • Other word tenses • Any other areas needed
<p>SPELLING</p>	<p>Term 1 and 2</p> <p>Weekly spelling lessons to include:</p> <ul style="list-style-type: none"> • Revise spellings from previous years • Words with the letter string ‘ough’ • Words with ‘silent’ letters • Words ending in ‘-able’ and ‘-ible’ 	<p>Term 3 and 4</p> <ul style="list-style-type: none"> • Prefixes and suffixes • Use of the hyphen • Rare GPCs • Words ending in ‘-ably’ and ‘-ibly’ • Using a dictionary to support learning 	<p>Term 5 and 6</p> <ul style="list-style-type: none"> • Building words from root words • Words with the /i:/sound spelt ‘ei’ (usually after ‘c’ – for example, <i>ceiling</i>) • Problem suffixes • Using a dictionary to support learning • Revisiting statutory Year 5 words

Year Group 5



	<ul style="list-style-type: none"> • Homophones • Plurals • Apostrophes • Using a dictionary to support learning 		
SCIENCE	Earth and Space Properties of materials	The Rainforest Environment All living things	Sound Healthy Eating/Heart and pulse rate
COMPUTING	Coding Scratch Internet Safety Rules and Expectations PowerPoint Use of PowerPoint	Data Handling Excel Programming Scratch	Vector Images Video Editing
HISTORY	Victorian Britain		Ancient Greece
GEOGRAPHY	The British Empire map work	The Rainforest	Greece Today European Map Skills
PE	Swimming Orienteering	Dance	Swimming

Year Group 5



	Gym- floor work and apparatus Indoor Athletics		
GAMES	Lacrosse Hockey Rugby	Handball – to be confirmed Rugby Football	Athletics Cricket Rounders
ART	Sketching Printing (William Morris)	Oil Pastels Collage (rainforest)	Greek pot designs 2D Clay mythical beasts with clay Clay pots 3D
DT	Bread making Victorian samplers	CAMS	Greek God masks/Trojan Horse with mod roc – to be confirmed
RE	Term 1 and 2 Green religion? What do religious and nonreligious worldviews teach about caring for the Earth? What Would Jesus Do? Can we live by the values of Jesus in the 21st Century?	Term 3 and 4 What does it mean to be a Muslim in Britain today?	Term 5 and 6 If God is everywhere why go to a place of worship? Why do some people think God exists?
MFL	Term 1 Healthy eating Term 2 I am the music man	Term 3 On the way to school Term 4 Beach scene	Term 5 The return of Spring Term 6 The planets
MUSIC	Singing/ choir / cross curricular activities Kapow Music Scheme		

Year Group 5



PSHE	Trust and Kindness Internet safety Anti-bullying week On-going PSHE issues raised in class	Determination and Politeness Year 3 buddies On-going PSHE issues raised in class	Fairness and Co-operation Transition 5 to 6 Year 3 buddies – mini-Olympics On-going PSHE issues raised in class RSE
PROVISIONAL TRIPS / VISITORS	Museum of Kent Life (Victorians) Victorian Day	Rainforest animal visitor Visit Riverhead buddies	Greek day British Museum Buddy Olympics