# Whole School Long Term Plan

| | Year R | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|---|---|---|---|---|---|---|---|
| **Term 1** | Subitising<br>Classification<br>Counting skills (stable order and one to one correspondence) | Geometry<br>Number and place value<br>Number and place value to 10, addition and subtraction | Number and place value<br>Addition and subtraction | Number and place value<br>Additon and subtraction | Number, addition and subtraction<br>Multiplication and division | Number, place value, multiplication and division<br>Four operations – mental calculations | Number and place value<br>Addition, subtraction, multiplication and division<br>Multiplication, division and measurement |
| **Term 2** | Pattern recognition<br>Counting the sort (including cardinality)<br>Spatial thinking | Number and place value to 10, addition and subtraction<br>Number and place value to 20, addition and subtraction | Addition and subtraction<br>Measurement | Additon and subtraction<br>Geometry and statistics | Multiplication and division<br>Measurement and statistics | Four operations – formal written methods<br>Fractions | Multiplication, division and measurement<br>Fractions |
| **Term 3** | Comparison – measures<br>Using counting to compare<br>Magnitude – ordering and estimating<br>Counting beyond 20 | Geometry and measurement<br>Additon and subtraction | Statistics<br>Addition and subtraction<br>Measurement | Geometry and measurement<br>Multiplication, division and statistics | Geometry and measurement<br>Decimals and measurement | Fractions<br>Addition, subtraction, multiplication and division<br>Fractions<br>Measurement | Algebra<br>Multiplication, division and measurement:<br>Geometry<br>Fractions (including decimals and percentages) |
| **Term 4** | Spatial thinking<br>Pattern recognition<br>Regrouping the whole<br>Shape | Additon and subtraction<br>Number, place value and measurement<br>Measures | Multiplication and division | Multiplication, division and statistics<br>Fractions | Decimals and measurement<br>Fractions<br>Decimals and measurement<br>Multiplication | Measurement<br>Fractions (including decimals and percentages)<br>Geometry | Fractions (including decimals and percentages)<br>Ratio and proportion<br>Measurement<br>Statistics |
| **Term 5** | Comparison – measures<br>Regrouping parts to find the total (whole)<br>Doubling and halving<br>Odd and even | Multiplication and division<br>Measurement | Fractions<br>Measurement | Multiplication and division | Division<br>Measurement<br>Statistics<br>Number | Geometry<br>Multiplication and division | Algebra and statistics<br>Review |
| **Term 6** | Pattern recognition<br>Finding the whole and missing parts<br>Ten and some more | Fractions<br>Number and place value | All four operations, including fractions<br>Geometry<br>Addition, subtraction multiplication and division<br>Number and place value, addition and subtraction | Measurement<br>All four operations including fractions<br>Measurement and geometry | Geometry<br>Multiplication and division<br>Fractions | Measurement<br>Fractions<br>Measurement<br>Addition, subtraction, multiplication and division<br>Geometry<br>Number and statistics | Statistics<br>Algebra<br>Financial maths |

# Year R Maths Long Term Plan

| Term | Essential Maths |
|---|---|
| 1 | RLS1 – Subitising: Subitising numbers up to 5; recognising the amount without counting, recognising numbers to 5 and linking names to their values<br>RLS5 – Classification: Classifying (grouping) objects using given criteria and their own ideas and comparing the groups after classification<br>RLS2 – Counting skills (stable order and one to one correspondence): Counting reliably, using number names in order and one to one correspondence |
| | NO FACT OF THE WEEK THIS TERM |
| Term | Essential Maths |
| 2 | RLS4 – Pattern recognition: Noticing, describing and extending patterns, including thinking about what part is the repeating unit – AB PATTERNS<br>RLS6 – Counting the sort (including cardinality): Counting a set of items accurately, saying how many are in the set and comparing this to the amount in other sets<br>RLS8 – Spatial thinking: Developing spatial thinking and spatial language linked to position and direction, in movements and using symbols |
| | FACT OF THE WEEK: NUMBERS 1, 2, 3, 4, 5 (number formation, counting actions, counting objects etc) – do one number a week (when children are ready) |
| Term | Essential Maths |
| 3 | RLS3 – Comparison – measures: Comparing objects by length, thickness and weight/mass, using appropriate language to describe and order them - LENGTH<br>RLS7 – Using counting to compare: Using counting to compare and finding a precise numerical difference in sets of objects in varied contexts<br>RLS9 – Magnitude – ordering and estimating: Knowing the position of numbers 0-10 and the relationship to other numbers, such as 0, 5 or 10<br>RLS16 – Counting beyond 20: Counting beyond 20, recognising the pattern of the counting system, exploring the value of tens and ones in numbers |
| | FACT OF THE WEEK: NUMBERS 6, 7, 8, 9, 10 (number formation, counting actions, counting objects etc) – do one number a week |
| Term | Essential Maths |
| 4 | RLS8 – Spatial thinking: Developing spatial thinking and spatial language linked to position and direction, in movements and using symbols<br>RLS4 – Pattern recognition: Noticing, describing and extending patterns, including thinking about what part is the repeating unit – ABC PATTERNS<br>RLS10 – Regrouping the whole: Developing a deeper understanding that numbers are made up of other numbers and beginning to rehearse number bonds<br>RLSADDITIONAL – Shape: Recognise, name and describe simple properties (e.g. sides, corners, faces) of flat, 2D and solid, 3D shapes |
| | FACT OF THE WEEK: NUMBERS 1, 2, 3, 4, 5 (1 more, 1 less, finding number on number line etc) – do one number a week |
| Term | Essential Maths |
| 5 | RLS3 – Comparison – measures: Comparing objects by length, thickness and weight/mass, using appropriate language to describe and order them – WEIGHT/MASS<br>RLS11 – Regrouping parts to find the total (whole): Combining parts to make a whole and using the part, whole model to develop an understanding of addition<br>RLS14 – Doubling and halving: Exploring doubling and halving, including solving problems involving doubling and halving<br>RLS15 – Odd and even: Understanding that numbers are either odd or even, looking at their 'composition' and whether they share fairly into two groups |
| | FACT OF THE WEEK: NUMBERS 6, 7, 8, 9, 10 (1 more, 1 less, finding number on number line etc) – do one number a week |
| Term | Essential Maths |
| 6 | RLS4 – Pattern recognition: Noticing, describing and extending patterns, including thinking about what part is the repeating unit – ABB PATTERNS<br>RLS12 – Finding the whole and missing parts: Explores what to do when something is missing; initially the whole but moving on to working out a missing part, different types of problems will be used to teach different strategies<br>RLS13 – Ten and some more: Understanding values to 20 (focusing on the numbers 10 – 20) by creating the unit of 10, for comparison and finding one more and one less than a number |
| | FACT OF THE WEEK: DOUBLES, ODD AND EVEN, TEEN NUMBERS |

# Year 1 Maths Long Term Plan

| Term | Counting in steps of… | Times table(s) | Essential Maths |
|---|---|---|---|
| 1 | 10 | - | 1LS1 – Geometry: Positional language including ordinal numbers<br>1LS2 – Number and place value: Finding patterns in numbers (including subitising)<br>1LS3 - Number and place value: Numbers to 10 – counting and comparison (more, less, fewer)<br>1LS4 - Number and place value: Numbers to 10 – estimating and ordering<br>1LS5 - Number and place value to 10, addition and subtraction: Numbers to 10 – regrouping the whole<br>1LS6 - Number and place value to 10, addition and subtraction: Numbers to 10 – part-whole addition and subtraction<br>1LS7 - Number and place value to 10, addition and subtraction: Numbers to 10 - solving problems using part or whole unknown |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 2 | 10 | - | 1LS8 - Number and place value to 10, addition and subtraction: Numbers to 10 – comparison<br>1LS9 - Number and place value to 10, addition and subtraction: Numbers to 10 – equality and balance<br>1LS10 - Number and place value to 20, addition and subtraction: Numbers to 20 – making '10 and some more'<br>1LS11 - Number and place value to 20, addition and subtraction: Numbers to 20 – estimating and ordering, 1 more and 1 less<br>1LS12 - Number and place value to 20, addition and subtraction: Numbers to 20 – doubling and halving<br>1LS13 - Number and place value to 20, addition and subtraction: Numbers to 20 – odd and even numbers |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 3 | 2 | - | 1LS14 – Geometry and measurement: Geometry – names and properties of 2D and 3D shapes<br>1LS15 – Geometry and measurement: Measures – the language of comparing length, height, mass and speed<br>1LS16 – Geometry and measurement: Sequencing events – days of the week and months of the year<br>1LS17 – Additon and subtraction: Numbers to 20 – adding using 'Think 10'<br>1LS18 – Additon and subtraction: Numbers to 20 – subtraction using 'Think 10'<br>1LS19 – Additon and subtraction: Numbers to 20 – equality and balance<br>1LS20 – Additon and subtraction: Numbers to 20 – part or whole unknown |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 4 | 2 | - | 1LS21 – Additon and subtraction: Numbers to 20 – language and problem solving (part or whole unknown)<br>1LS22 – Additon and subtraction: Numbers to 20 – comparison (difference, more, less, fewer) including statistics<br>1LS23 – Number, place value and measurement: Measures – coins and combinations to 20p, ordering and comparing<br>1LS24 – Number, place value and measurement: Counting in 2s, 5s and 10s<br>1LS25 – Measures: Non-standard measures and introducing simple standard measures |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 5 | 5 | - | 1LS26 – Multiplication and division: Multiplication and division – equal or unequal groups and remainders<br>1LS27 – Multiplication and division: Multiplication – repeated addition and arrays (numbers of groups and size of group)<br>1LS28 – Multiplication and division: Multiplication – problem solving (identifying the number of groups and size of the group)<br>1LS29 – Multiplication and division: Multiplication - scaling and counting in 2s to 24<br>1LS30 – Multiplication and division: Division – sharing and grouping problems<br>1LS31 – Measurement: Time – telling the time, o'clock and half past |

| Term | Counting in steps of… | Times table(s) | Essential Maths |
|---|---|---|---|
| 6 | 5 | - | 1LS32 – Fractions: Fractions – sharing into equal groups<br>1LS33 – Fractions: Fractions – equal or unequal parts of shapes<br>1LS34 – Fractions: Fractions of continuous quantities including capacity<br>1LS35 – Number and place value: Numbers to 20 - review<br>1LS36 – Number and place value: Numbers to 100 – place value and digits, making tens and some more<br>1LS37 – Number and place value: Place value – estimation, ordering and comparison |

# Year 2 Maths Long Term Plan

| Term | Counting in steps of… | Times table(s) | Essential Maths |
|---|---|---|---|
| 1 | 10 | 10 | 2LS1 – Number and place value: Numbers to 100 – counting, place value, ordering and comparing<br>2LS2 – Number and place value: Place value – making 'tens and some more'<br>2LS3 – Number and place value: Place value and regrouping 2-digit numbers<br>2LS4 – Number and place value: Counting on and back in ones and tens from any number<br>2LS5 – Number and place value: Representing, ordering and comparing numbers to 100 and quantities for measures<br>2LS6 – Number and place value: Estimation and magnitude<br>2LS7 – Addition and subtraction: Numbers to 20 – mental addition and subtraction |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 2 | 2 | 2 | 2LS8 – Addition and subtraction: Finding complements of 10 and 100 including measures<br>2LS9 – Addition and subtraction: Add and subtract numbers mentally using 1 and 2 digit numbers<br>2LS10 – Addition and subtraction: Finding part or whole unknown<br>2LS11 – Measurement: Money – making combinations and finding changes<br>2LS12 – Measurement: Comparison (difference, more, less, fewer)<br>2LS13 – Measurement: Measures – estimation and measure using different scales |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 3 | 2 | 2 | 2LS14 – Statistics: Statistics – totalling and comparing amounts in block graphs, pictograms, tables and tally charts<br>2LS15 – Addition and subtraction: Written addition method<br>2LS16 – Addition and subtraction: Commutativity in addition but not in subtraction<br>2LS17 – Addition and subtraction: Written subtraction method<br>2LS18 – Addition and subtraction: Problem solving with addition and subtraction in a range of contexts<br>2LS19 – Measurement: Time – telling the time to o'clock, half past, quarter past and quarter to<br>2LS20 – Measurement: Time – estimating, ordering and comparing time (amalgamate step 1 and 2) |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 4 | 5 | 5 | 2LS21 – Multiplication and division: Double and halve one and two digit numbers and amounts of money<br>2LS22 – Multiplication and division: Times tables pattern and strategy: 2s, 5s and 10s (counting in 3s)<br>2LS23 – Multiplication and division: Multiplication – multiples and repeated addition<br>2LS24 – Multiplication and division: Multiplication – numbers of groups, group size and product<br>2LS25 – Multiplication and division: Multiplication problem solving<br>2LS26 – Multiplication and division: Division – sharing and grouping<br>2LS27 – Multiplication and division: Division – sharing and grouping problems including remainders |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 5 | 5 | 5 | 2LS28 – Fractions: Fractions – finding halves, quarters and thirds of amounts<br>2LS29 – Fractions: Fractions – finding halves, quarters and thirds of shapes<br>2LS30 – Fractions: Fractions – finding three-quarters of shapes and amounts<br>2LS31 – Fractions: Fractions – equivalence<br>2LS32 – Fractions: Fractions of continuous quantities |

| | | | |
|---|---|---|---|
| | | | 2LS33 – Measurement: Time – telling the time to the nearest five minutes |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 6 | 3 | 2, 5, 10 | 2LS34 – All four operations, including fractions: Problem solving for all operations (including fractions)<br>2LS35 – All four operations, including fractions: Multiplication and division – equality and balance<br>2LS36 – Geometry: Geometry – properties of 2D and 3D shape, classifying and sorting<br>2LS37 – Geometry: Geometry – symmetry<br>2LS38 – Addition, subtraction multiplication and division: Mental calculation review<br>2LS39 – Geometry: Geometry – sequencing<br>2LS40 – Geometry: Geometry – rotation and right angles<br>2LS41 – Number and place value, addition and subtraction: Place value and written calculation review |

# Year 3 Maths Long Term Plan

| Term | Counting in steps of… | Times table(s) | Essential Maths |
|---|---|---|---|
| 1 | 3<br>100 | 3 | 3LS1 – Number and place value: Place value and regrouping<br>3LS2 – Number and place value: Counting on and back in ones, tens and hundreds<br>3LS3 – Number and place value: Estimation, magnitude and rounding<br>3LS4 – Number and place value: Measures: comparison, estimation and magnitude<br>3LS5 – Additon and subtraction: Mental fluency: addition<br>3LS6 – Additon and subtraction: Mental fluency: subtraction |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 2 | 4<br>100 | 4 | 3LS7 – Additon and subtraction: Fact families and applying the inverse<br>3LS8 – Additon and subtraction: Written addition<br>3LS9 – Additon and subtraction: Written subtraction<br>3LS10 – Additon and subtraction: Problem solving: word problems<br>3LS11 – Geometry and statistics: Statistics – interpreting bar charts and tables<br>3LS12 – Geometry and statistics: Angles, right angles and estimation<br>3LS13 – Geometry and statistics: Perpendicular and parallel lines, vertical and horizontal lines |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 3 | 4<br>100 | 4 | 3LS14 – Geometry and measurement: 2D shape – properties and drawing<br>3LS15 – Geometry and measurement: Perimeter including problem solving using written and mental methods<br>3LS16 – Multiplication, division and statistics: Multiplication – 3, 4 and 8 times tables including counting<br>3LS17 – Multiplication, division and statistics: Division – 1, 2, 3, 5, 4, 8 times tables<br>3LS18 – Multiplication, division and statistics: Multiplication – strategy, associative and distributive laws<br>3LS19 – Multiplication, division and statistics: Statistics – pictograms and scales bar charts |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 4 | 8<br>50 | 8 | 3LS20 – Multiplication, division and statistics: Multiplication and division worded problems<br>3LS21 – Fractions: Fractions – finding fractions of discrete and continuous quantities<br>3LS22 – Fractions: Fractions – ordering and comparing fractions<br>3LS23 – Fractions: Fractions – adding and subtracting fractions with the same denominators<br>3LS24 – Fractions: Fractions – problem solving with unit and non-unit fractions |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 5 | 8<br>50 | 8 | 3LS25 – Multiplication and division: Multiplication - multiplying multiples of ten<br>3LS26 – Multiplication and division: Multiplication – formal written multiplication<br>3LS27 – Multiplication and division: Division problem solving – sharing and grouping<br>3LS28 – Multiplication and division: Division – two and three digit numbers by one digit numbers including halving<br>3LS30 – Multiplication and division: Division – long division |

| Term | Counting in steps of… | Times table(s) | Essential Maths |
|---|---|---|---|
| 6 | 4<br>8<br>50<br>100 | 3<br>4<br>8 | 3LS31 – Measurement: Time – hours, minutes, seconds, days, weeks, months, years<br>3LS32 – Measurement: Time – telling the time (analogue and digital) and estimation (AMALGAMATE STEPS 1 AND 2)<br>3LS33 – Measurement: Time – duration<br>3LS34 – All four operations including fractions: Securing the four operations with whole number including problem solving<br>3LS35 – All four operations including fractions: Place value and decimals – ten times greater and ten times smaller<br>3LS36 – All four operations including fractions: Place value and decimals – regrouping<br>3LS37 – All four operations including fractions: Place value and decimals – estimation, comparing and rounding<br>3LS38 – Measurement and geometry: Measures – measuring and problem solving<br>3LS39 – Measurement and geometry: 3D shape building and identifying properties |

# Year 4 Maths Long Term Plan

| Term | Counting in steps of… | Times table(s) | Essential Maths |
|---|---|---|---|
| 1 | 6<br>1000 | 6 | 4LS1 – Number, addition and subtraction: Place value – order and compare numbers beyond 1000<br>4LS2 – Number, addition and subtraction: Rounding, estimating and magnitude<br>4LS3 – Number, addition and subtraction: Securing addition and subtraction mental fluency<br>4LS4 – Number, addition and subtraction: Securing formal written addition and subtraction fluency<br>4LS5 – Multiplication and division: Counting in multiples of 6, 7, 9, 25 and 1000<br>4LS6 – Multiplication and division: Multiplication and division facts – times tables |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 2 | 7<br>1000 | 7 | 4LS7 – Multiplication and division: Factor pairs, integer scaling and correspondence problems<br>4LS8 – Multiplication and division: Problem solving including measures to apply place value, mental strategies and arithmetic laws<br>4LS9 – Multiplication and division: Multiply and divide a one or two digit number by 10 and 100<br>4LS10 – Measurement and statistics: Measure – conversion of units<br>4LS11 – Measurement and statistics: Measure – compare, estimate and calculate<br>4LS12 – Measurement and statistics: Discrete and continuous data (time graphs), including application of scales and division |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 3 | 9<br>25 | 9 | 4LS13 – Geometry and measurement: Perimeter<br>4LS14 – Geometry and measurement: Properties of shape<br>4LS15 – Geometry and measurement: Symmetry (AMALGAMATE STEPS 1 AND 2)<br>4LS16 – Decimals and measurement: Decimal numbers<br>4LS17 – Decimals and measurement: Calculating with decimals<br>4LS18 – Decimals and measurement: Measure - money |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 4 | (11)<br>25 | 11 | 4LS19 – Decimals and measurement: Problem solving involving decimals to two decimal places<br>4LS20 – Fractions: Add and subtract fractions with the same denominator<br>4LS21 – Decimals and measurement: Finding fractions of quantities<br>4LS22 – Decimals and measurement: Fractions in the context of measure<br>4LS23 – Decimals and measurement: Equivalent fractions, ordering and comparing<br>4LS24 – Multiplication: Multiply two and three digit numbers by a one digit number using a formal written layout |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 5 | (12) | 12 | 4LS25 – Division: Divide two and three digit numbers by a one digit number using a formal written layout<br>4LS26 – Measurement: Time – read, write, calculate and convert time on analogue and digital 12 and 24 hour clocks<br>4LS27 – Statistics: Statistics – interpret and present continuous and discrete data, solve problems incorporating measures<br>4LS28 – Number: Roman numerals to 100 and zero<br>4LS29 – Number: Negative numbers – counting through zero and calculating in context |

| Term | Counting in steps of… | Times table(s) | Essential Maths |
|---|---|---|---|
| 6 | 6<br>7<br>9<br>25<br>1000 | All up to 12x12 | 4LS30 – Geometry: Geometry – angles<br>4LS31 – Geometry: Geometry – properties of angles<br>4LS32 – Geometry: Geometry – coordinates in the first quadrant<br>4LS33 – Geometry: Geometry – position and direction, incorporating angles and plotting points of a shape<br>4LS34 – Multiplication and division: Multiplication and division review<br>4LS35 – Multiplication and division: Area<br>4LS36 – Fractions: Fractions review<br>4LS37 – Problem solving: Application and problem solving – developing operation sense |

# Year 5 Maths Long Term Plan

| Term | Counting in steps of… | Times table(s) | Essential Maths |
|---|---|---|---|
| 1 | Count forwards in negative numbers | All up to 12x12 (use MTC A4L) | 5LS1 – Number, place value, multiplication and division: Place value and rounding of larger numbers<br>5LS2 – Number, place value, multiplication and division: Interpret negative numbers<br>5LS3 – Number, place value, multiplication and division: Place value of numbers with up to 3 decimal places<br>5LS4 – Number, place value, multiplication and division: Multiply and divide by 10, 100 and 1000<br>5LS5 – Number, place value, multiplication and division: Properties of number – multiples, factors and common factors<br>5LS6 – Number, place value, multiplication and division: Prime and composite numbers<br>5LS7 – Four operations – mental calculations: Multiply and divide mentally |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 2 | Count backwards in negative numbers | All up to 12x12: link to dividing | 5LS8 – Four operations – mental calculations: Solve problems involving knowledge of key facts<br>5LS9 – Four operations – mental calculations: Add and subtract using a range of strategies<br>5LS10 – Four operations – formal written methods: Add and subtract using formal written methods<br>5LS11 – Four operations – formal written methods: Formal written method for multiplication<br>5LS12 – Four operations – formal written methods: Formal written method of short division<br>5LS13 – Fractions: Equivalent fractions |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 3 | Count forwards in steps of powers of 10 up to 1,000,000 (see 5LS5) | Related facts e.g. 0.7 x (2/5/10) | 5LS14 – Fractions: Compare and order fractions<br>5LS15 – Fractions: Adding and subtracting fractions<br>5LS16 – Addition, subtraction, multiplication and division: Problem solving – all operations<br>5LS17 – Fractions: Multiply fractions by whole numbers<br>5LS18 – Fractions: Fraction problem solving<br>5LS19 – Measurement: Measure – converting units of measure |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 4 | Count backwards in steps of powers of 10 up to 1,000,000 | Related facts e.g. 0.7 x (3/4/6/8) | 5LS20 – Measurement: Area<br>5LS21 – Measurement: Volume and capacity<br>5LS22 – Fractions (including decimals and percentages): Percentages<br>5LS23 – Fractions (including decimals and percentages): Problem solving – percentages<br>5LS24 – Geometry: 3D shapes from 2D representations |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 5 | Count forwards and backwards in fractions | Related facts e.g. 0.7 x (7/9) | 5LS25 – Geometry: Reflection and translation<br>5LS26 – Geometry: Perimeter<br>5LS27 – Geometry: Estimate, compare, measure and draw angles<br>5LS28 – Geometry: Identify unknown angles<br>5LS29 – Multiplication and division: Formal methods for division and multiplication in increasingly complex problems<br>5LS30 – Multiplication and division: Strategies for multiplication and division (mental and written)<br>5LS31 – Multiplication and division: Solving problems involving scaling by simple fractions and rates |

| Term | Counting in steps of… | Times table(s) | Essential Maths |
|---|---|---|---|
| 6 | Count forwards and backwards in decimals | Related facts e.g. 0.7 x (11/12) | 5LS32 – Measurement: Conversion of imperial and metric units of measure<br>5LS33 – Fractions: Fractions, decimals and percentages – problem solving (OPTIONAL LEARNING SEQUENCE)<br>5LS34 – Measurement: Reading timetables and calculating time<br>5LS35 – Addition, subtraction, multiplication and division: Solve problems involving the four operations<br>5LS36 – Geometry: Distinguish between regular and irregular polygons<br>5LS37 – Geometry: Use properties of rectangles<br>5LS38 – Number and statistics: Statistics – solve comparison, sum and difference problems using information in a line graph<br>5LS39 – Number and statistics: Statistics – interpreting and evaluating information presented in charts and tables<br>5LS40 – Number and statistics: Roman Numerals |

# Year 6 Maths Long Term Plan

| Term | Counting in steps of… | Times table(s) | Essential |
|---|---|---|---|
| 1 | Count forward and backward through extremely large positive and negative numbers up to 10,000,000 | Related facts and links to division | 6LS1 – Number and place value: Place value<br>6LS2 – Number and place value: Multiply and divide by 10, 100, 1000<br>6LS3 – Addition, subtraction, multiplication and division: Choosing effective mental calculation strategies<br>6LS4 – Addition, subtraction, multiplication and division: Problem solving with four operations<br>6LS5 – Multiplication, division and measurement: Application of factors, multiples and primes (AMALGAMATE STEP 1 AND 2)<br>6LS6 – Multiplication, division and measurement: Formal written method of short division<br>6LS7 – Multiplication, division and measurement: Area of parallelograms and triangles |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 2 | Count forwards and backwards in fractions (e.g. 3/4) | Related facts and links to division | 6LS8 – Multiplication, division and measurement: Formal written method of short division<br>6LS9 – Fractions: Equivalent fractions<br>6LS10 – Fractions: Comparing and ordering fractions<br>6LS11 – Fractions: Adding and subtracting fractions<br>6LS12 – Fractions: Fraction and decimal equivalents<br>6LS13 – Fractions: Fractions, decimals and percentages<br>6LS14 – Fractions: Calculating percentages<br>6LS15 – Geometry: Properties of shape |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 3 | Count forwards and backwards in decimals (e.g. 0.75) | Related facts and links to division | 6LS16 – Algebra: Order of operations and algebra (AMALGAMTE STEPS 1 AND 2, STEPS 3 AND 4, STEPS 5 AND 6)<br>6LS17 – Multiplication, division and measurement: Formal written method for long division<br>6LS18 – Multiplication, division and measurement: Exploring relationships between perimeter and area<br>6LS19 – Geometry: Recognise and find angles (AMALGAMATE STEPS 1 AND 2)<br>6LS20 – Geometry: Reflection and translation (AMALGAMATE STEPS 1 AND 2)<br>6LS21 – Fractions (including decimals and percentages): Multiplying fractions (AMALGAMATE STEPS 1 AND 2) |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 4 | Count forwards and backwards in decimals and fractions | Related facts and links to division | 6LS22 – Fractions (including decimals and percentages): Dividing fractions<br>6LS23 – Fractions (including decimals and percentages): Fractions, decimals and percentages problem solving (OPTIONAL LEARNING SEQUENCE)<br>6LS24 – Ratio and proportion: Ratio and proportion<br>6LS25 – Measurement: Volume<br>6LS26 – Measurement: Measures<br>6LS27 – Statistics: Statistics – line graphs and pie charts |
| Term | Counting in steps of… | Times table(s) | Essential Maths |
| 5 | A4L – review any gaps | Related facts and links to division | 6LS28 – Algebra and statistics: Algebra and sequences<br>6LS29 – Algebra and statistics: Statistics – calculate and interpret mean average<br>6LS30 – Review: Application of previous years' learning<br>6LS31 – Review: Application of known facts and calculation strategies (USE LEARNING SEQUENCE AT ANY POINT IN THE YEAR TO CONSOLIDATE) |

| Term | Counting in steps of… | Times table(s) | Essential Maths |
|---|---|---|---|
| 6 | A4L – review any gaps | Related facts and links to division | 6LS32 – Post SATs: Constructing pie charts<br>6LS33 – Post SATs: Statistical representations<br>6LS34 – Post SATs: Further algebra<br>6LS35 – Post SATs: Financial maths and enterprise<br>6LS36 – Post SATs: Maths preparation for KS3 |