

Maths Overview

Number	Measurement	Geometry	Statistics
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	Autumn term				Spring term			Summer term			
Rec	Baseline	Match & Sort	Numbers to 3	Numbers to 5	Numbers to 8	Numbers to 10	Numbers to 20	Numbers to 20 & Beyond	Add & Subtract	Patterns	Consolidate
	Using statutory framework & observations	<ul style="list-style-type: none"> Match & sort Compare amounts Compare size, mass & capacity Explore patterns 	<ul style="list-style-type: none"> Represent 1, 2 & 3 Compare 1, 2 & 3 Composition of 1, 2 & 3 Circles & triangles Positional language 	<ul style="list-style-type: none"> Represent numbers to 5 One more or less Shapes with 4 sides Time Introduce zero Compare numbers to 5 Composition of 4 & 5 Compare mass Compare capacity 	<ul style="list-style-type: none"> 6, 7 & 8 Combine two amounts Make pairs Length & height Time 	<ul style="list-style-type: none"> Count to 9 & 10 Compare numbers to 10 Bonds to 10 3D shapes Spatial awareness Patterns 	<ul style="list-style-type: none"> Build numbers beyond 10 Count patterns beyond 10 Spatial reasoning Match, rotate, manipulate 	<ul style="list-style-type: none"> Build numbers to 20 & beyond Count patterns beyond 20 Spatial reasoning Match, rotate, manipulate 	<ul style="list-style-type: none"> Add more Take away Spatial reasoning Compose & decompose 	<ul style="list-style-type: none"> Doubling Share & group Even & odd Spatial reasoning Visualise & build 	<ul style="list-style-type: none"> Deepen understanding Patterns & relationships Spatial mapping Mapping

Year 1	Number Place Value Numbers to 10	Number Add & Subt Numbers within 10	Geometry Shape	Number Consolidate	Number Place Value Numbers to 20	Number Add & Subt Numbers within 20	Number Place Value Numbers within 50	Measure Length & Height	Measure Mass & Vol	Measure Money	Measure Time	Number Mult & Div	Number Fractions	Geom Position & Direction	Number Place Value Numbers within 100
	<ul style="list-style-type: none"> Sort objects Count objects Count objects from a larger group Represent objects Recognise numbers as words Count on from any number 1 more Count backwards within 10 1 less Compare groups by matching Fewer, more, same Less than, greater than, equal to Compare numbers Order objects & numbers 	<ul style="list-style-type: none"> Parts & wholes Part-whole model Write number sentences Fact families + facts Number bonds within 10 Systematic number bonds within 10 Number bonds to 10 Add together Add more Addition problems Find a part Subtraction - find a part Fact families – the 8 facts Take away / cross out Take away – how many left? Subtraction on a number line Add or subtract 1 or 2 	<ul style="list-style-type: none"> Recognise & name 3D shapes Sort 3D shapes Recognise & name 2D shapes Sort 2D shapes Patterns with 2D & 3D shapes 	Place value Add & subtract	<ul style="list-style-type: none"> Count within 20 Understand 10 Understand 11, 12 & 13 Understand 14, 15 & 16 Understand 17, 18 & 19 Understand 20 1 more & 1 less Number line to 20 Estimate on a number line to 20 Compare numbers to 20 Order numbers to 20 	<ul style="list-style-type: none"> Add by counting on within 20 Add ones using number bonds Find & make number bonds to 20 Doubles Near doubles Subtract ones using number bonds Subtraction – counting back Subtraction – finding difference Related facts Missing number problems 	<ul style="list-style-type: none"> Count from 20 to 50 20, 30, 40 & 50 Count by making groups of 10 Groups of tens & ones Partition into tens & ones Number line to 50 Estimate on a number line to 50 1 more, 1 less Compare lengths & heights Measure length using objects Measure length in cms 	<ul style="list-style-type: none"> Compare lengths & heights Measure length using objects Measure length in cms 	<ul style="list-style-type: none"> Heavier & lighter Measure mass Compare mass Full & empty Compare volume Measure capacity Compare capacity 	<ul style="list-style-type: none"> Unitising Recog coins Recog notes Count in coins 	<ul style="list-style-type: none"> Before & after Days of the week Months of the year Hours, minutes & seconds Tell the time to the hour Tell the time to the half hour 	<ul style="list-style-type: none"> Count in 2s Count in 10s Count in 5s Recognise equal groups Add equal groups Make arrays Make doubles Make equal groups - grouping Make equal groups - sharing 	<ul style="list-style-type: none"> Recognise half of an object or shape Find half of an object or shape Recognise half of a quantity Find half of a quantity Recognise quarter of an object or shape Find a quarter of an object or a shape Recognise a quarter of a quantity Find a quarter of a quantity 	<ul style="list-style-type: none"> Describe turns Describe position – left & right Describe position – forwards & backwards Describe position – above & below Ordinal numbers 	<ul style="list-style-type: none"> Count from 50 to 100 Tens to 100 Partition into tens & ones Number line to 100 1 more, 1 less Compare numbers with same number of tens Compare any 2 numbers

Year 2	Number Place Value Numbers to 100	Number Add & Subt Numbers within 100	Number Mult & Div	Number Mult & Div	Number Fractions	Geometry Shape	Measure Length & Height	Number Money	Statistics	Measure Mass, Cap & Temp	Measure Time	Geometry Position & Direction	Number Consolidate
	<ul style="list-style-type: none"> Numbers to 20 Count objects to 100 by making 10s Recognise tens & ones Use a place value chart 	<ul style="list-style-type: none"> Bonds to 10 Fact families – addition & subtraction bonds within 20 Related facts Bonds to 100 (tens) 	<ul style="list-style-type: none"> Recognise equal groups Make equal groups 	<ul style="list-style-type: none"> 2x tables Divide by 2 Doubling & halving 	<ul style="list-style-type: none"> Intro to parts & whole Equal & unequal parts Recognise a half 	<ul style="list-style-type: none"> Recognise 2D & 3D shapes Count sides on 2D shapes 	<ul style="list-style-type: none"> Measure in cms Measure in m 	<ul style="list-style-type: none"> Count money – pence Count money – pounds 	<ul style="list-style-type: none"> Make tally charts Tables Block diagrams 	<ul style="list-style-type: none"> Compare mass Measure in grams Measure in kg 	<ul style="list-style-type: none"> O'clock & half past Quarter past & quarter to 	<ul style="list-style-type: none"> Language of position Describe movement Describe turns 	<ul style="list-style-type: none"> Add & subtract Mult & div

<ul style="list-style-type: none"> Partition numbers to 100 Write numbers to 100 in words Flexibly partition numbers to 100 Write numbers to 100 in expanded form 10s on a number line to 100 10s & 1s on a number line to 100 Estimate numbers on a number line Compare objects Compare numbers Order objects & numbers Count in 2s, 5s and 10s Count in 3s 	<ul style="list-style-type: none"> Add & subtract 1s Add by making 10 Add three 1-digit numbers Add to the next 10 Add across a 10 Subtract across a 10 Subtract from a 10 Subtract a 1-digit from a 2-digit number 10 more, 10 less Add & subtract 10s Add two 2-digit numbers (not across a 10) Add two 2-digit numbers (across a 10) Subtract two 2-digit numbers (not across a 10) Subtract two 2-digit numbers (across a 10) Mixed addition & subtraction Compare number sentences Missing number problems 	<ul style="list-style-type: none"> Add equal groups Introduce multiplication symbol Multiplication sentences Use arrays Make equal groups – grouping Make equal groups – sharing 	<ul style="list-style-type: none"> Odd & even numbers 10x tables Divide by 10 5x tables Divide by 5 5x & 10x tables 	<ul style="list-style-type: none"> Find a half Recognise a quarter Find a quarter Recognise a third Find a third Find the whole Unit fractions Non-unit fractions Recognise the equivalence of a half & 2 quarters Recognise three quarters Count in fractions up to a whole 	<ul style="list-style-type: none"> Count vertices on 2D shapes Draw 2D shapes Lines of symmetry on shapes Use lines of symmetry to complete shapes Sort 2D shapes Count faces on 3D shapes Count edges on 3D shapes Count vertices on 3D shapes Sort 3D shapes Make patterns with 2D & 3D shapes 	<ul style="list-style-type: none"> Compare lengths & heights Order lengths & heights Four operations with lengths & heights 	<ul style="list-style-type: none"> Count money – pounds & pence Choose notes & coins Make the same amount Compare amounts of money Calculate with money Make a pound Find change 2-step problems 	<ul style="list-style-type: none"> Draw pictograms (1-1) Interpret pictograms (1-1) Draw pictograms (2, 5 & 10) Interpret pictograms (2, 5 & 10) 	<ul style="list-style-type: none"> Four operations with mass Compare volume & capacity Measure in ml Measure in l Four operations with volume & capacity Temperature 	<ul style="list-style-type: none"> Tell the time past the hour Tell the time to the hour Tell the time to 5 minutes Minutes in an hour Hours in a day 	<ul style="list-style-type: none"> Describe movement & turns Shape patterns with turns
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	Number Place Value Numbers to 1000	Number Add & Subt Numbers within 1000	Number Mult & Div	Number Mult & Div	Measure Length & Perimeter	Number Fractions	Measurement Mass & Capacity	Number Fractions	Measure Money	Measure Time	Geometry Shape	Statistics
Year 3	<ul style="list-style-type: none"> Represent numbers to 100 Partition numbers to 100 Number line to 100 Hundreds Represent numbers to 1000 Partition numbers to 1000 Flexible partitioning of numbers to 1000 Hundreds, tens & ones Find 1, 10 or 100 more or less Number line to 1000 Estimate on a number line to 1000 Compare numbers to 1000 Order numbers to 1000 Count in 50s 	<ul style="list-style-type: none"> Apply number bonds within 10 Add & subtract 1s Add & subtract 10s Add & subtract 100s Spot patterns Add ones across a 10 Add 10s across a 100 Subtract 1s across a 10 Subtract 10s across a 100 Make connections Add two numbers (no exchange) Subtract two numbers (no exchange) Add two numbers (across a 10) Add two numbers (across a 100) Subtract two numbers (across a 10) Subtract two numbers (across a 100) Add 2-digit & 3-digit numbers Subtract 2-digit from 3-digit numbers Complements to 100 Estimate answers Inverse operations Make decisions 	<ul style="list-style-type: none"> Multiplication – equal groups Use arrays Multiples of 2 Multiples of 5 & 10 Sharing & grouping Multiply by 3 Divide by 3 3x tables Multiply by 4 Divide by 4 4x tables Multiply by 8 Divide by 8 8x tables 2, 4 & 8x tables 	<ul style="list-style-type: none"> Multiples of 10 Related calculations Reasoning about multiplication Multiply 2-digit by 1-digit number – no exchange Multiply 2-digit by 1-digit number – with exchange Link multiplication & division Divide a 2-digit by 1-digit number – no exchange Divide a 2-digit by 1-digit number – flexible partitioning Divide a 2-digit by 1-digit number – with remainders Scaling How many ways? 	<ul style="list-style-type: none"> Measure in m & cm Measure in mm Measure in cm & mm M, cm & mm Equivalent lengths (m & cm) Equivalent lengths (cm & mm) Compare lengths Add lengths Subtract lengths What is perimeter? Measure perimeter Calculate perimeter 	<ul style="list-style-type: none"> Understand denominators of unit fractions Compare & order unit fractions Understand numerators of unit fractions Understand the whole Compare & order non-unit fractions Fractions & scales Fractions on a number line Count in fractions on a number line Equivalent fractions on a number line Equivalent fractions as bar models 	<ul style="list-style-type: none"> Use scales Measure mass in grams Measure mass in kg & g Equivalent masses (kg & g) Compare mass Add & subtract mass Measure capacity & volume in ml Measure capacity & volume in litres & ml Equivalent capacities & volumes (l & ml) Compare capacity & volume Add & subtract capacity & volume 	<ul style="list-style-type: none"> Add fractions Subtract fractions Partition the whole Unit fractions of a set of objects Non-unit fractions of a set of objects Reasoning with fractions of an amount 	<ul style="list-style-type: none"> Pounds & pence Convert pounds & pence Add money Subtract money Find change 	<ul style="list-style-type: none"> Roman numerals to 12 Tell the time to 5 minutes Tell the time to the minute Read time on a digital clock Use am & pm Years, months & days Days & hours Hours & minutes – use start & end times Hours & minutes – use durations Minutes & seconds Units of time Solve problems with time 	<ul style="list-style-type: none"> Turns & angles Right angles Compare angles Measure & draw accurately Horizontal & vertical Parallel & perpendicular Recognise & describe 2D shapes Draw polygons Recognise & describe 3D shapes Make 3D shapes 	<ul style="list-style-type: none"> Interpret pictograms Draw pictograms Interpret bar charts Draw bar charts Collect & represent data Two-way tables

	Number Place Value Numbers to 10,000	Number Add & Subt	Number Multi & Div	Number Fractions	Measurement Length & Perimeter	Measurement Area	Number Mult & Div	Number Fractions & Decimals	Number Decimals	Measure Money	Measure Time	Geom Shape	Statistics	Geom Pos & Dir
Year 4	<ul style="list-style-type: none"> Represent number to 1000 Partition numbers to 1000 Number line to 1000 Thousands 	<ul style="list-style-type: none"> Add & subtract 1s, 10s, 100s and 1000s Add up to two 4-digit numbers – no exchange 	<ul style="list-style-type: none"> Multiples of 3 Multiply & divide by 6 6x tables & division facts 	<ul style="list-style-type: none"> Understand the whole Count beyond 1 Partition a mixed number Number lines with mixed numbers 	<ul style="list-style-type: none"> Measure in km & m Equivalent lengths (km & m) Perimeter on a grid Perimeter of a rectangle 	<ul style="list-style-type: none"> What is area? Count squares Make shapes Compare areas 	<ul style="list-style-type: none"> Factor pairs Use factor pairs Multiply by 10 Multiply by 100 Divide by 10 Divide by 100 	<ul style="list-style-type: none"> Tenths as fractions Tenths as decimals Tenths on a place value chart Tenths on a number line 	<ul style="list-style-type: none"> Make a whole with tenths Make a whole with hundredth 	<ul style="list-style-type: none"> Write money using decimals Convert between pounds & pence 	<ul style="list-style-type: none"> Years, months, weeks & days Hours, minutes & seconds 	<ul style="list-style-type: none"> Know angles as turns Identify angles 	<ul style="list-style-type: none"> Interpret charts Comparison, sum & difference Interpret line graphs 	<ul style="list-style-type: none"> Describe position using coordinates Plot coordinates

<ul style="list-style-type: none"> • Represent numbers to 10,000 • Partition numbers to 10,000 • Flexible partitioning of numbers to 10,000 • Find 1, 10, 100, 1000 more or less • Number line to 10,000 • Estimate on a number line to 10,000 • Compare numbers to 10,000 • Order numbers to 10,000 • Roman numerals • Round to the nearest 10 • Round to the nearest 100 • Round to the nearest 1000 • Round to the nearest 10, 100 or 1000 	<ul style="list-style-type: none"> • Add two 4-digit numbers – one exchange • Add two 4-digit numbers – more than one exchange • Subtract two 4-digit numbers – no exchange • Subtract 4-digit numbers – one exchange • Subtract 4-digit numbers – more than one exchange • Efficient subtraction • Estimate answers • Checking strategies 	<ul style="list-style-type: none"> • Multiply & divide by 9 • 9x tables & division facts • 3, 6 & 9x tables • Multiply & divide by 7 • 7x tables & division facts • 11x tables & division facts • 12x tables & division facts • Multiply by 1 & 0 • Divide a number by 1 & itself • Multiply 3 numbers 	<ul style="list-style-type: none"> • Compare & order mixed numbers • Understand improper fractions • Convert mixed fractions to improper fractions • Convert improper fractions to mixed numbers • Equivalent fractions on a number line • Equivalent fraction families • Add two or more fractions • Add fractions & mixed numbers • Subtract two fractions • Subtract from whole amounts • Subtract from mixed numbers 	<ul style="list-style-type: none"> • Perimeter of rectilinear shapes • Find missing lengths in rectilinear shapes • Calculate perimeter of rectilinear shapes • Perimeter of regular polygons • Perimeter of polygons 	<ul style="list-style-type: none"> • Related facts – multiplication & division • Informal written methods for multiplication • Multiply 2-digit by 1-digit number • Multiply 3-digit by 1-digit number • Divide 2-digit by 1-digit number • Divide 3-digit by 1-digit number • Correspondence problems • Efficient multiplication 	<ul style="list-style-type: none"> • Divide a 1-digit number by 10 • Divide a 2-digit number by 10 • Hundredths as fractions • Hundredths as decimals • Hundredths on a place value chart • Divide a 1 or 2-digit number by 100 	<ul style="list-style-type: none"> • Partition decimals • Flexibly partition decimals • Compare decimals • Order decimals • Round to the nearest whole number • Halves & quarters as decimals 	<ul style="list-style-type: none"> • Compare amounts of money • Estimate with money • Calculate with money • Solve problems with money 	<ul style="list-style-type: none"> • Convert between analogue & digital times • Convert to the 24-hour clock • Convert from the 24-hour clock 	<ul style="list-style-type: none"> • Compare and order angles • Triangles • Quadrilaterals • Polygons • Lines of symmetry • Complete a symmetric figure 	<ul style="list-style-type: none"> • Draw line graphs 	<ul style="list-style-type: none"> • Draw 2D shapes on a grid • Translate on a grid • Describe translation on a grid
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	Number Place Value	Number Add & Subt	Number Mult & Div	Number Fractions	Number Mult & Div	Number Fractions	Number Decimals & Percentage	Measure Perimeter & Area	Statistics	Geom Shape	Geom Position & Direction	Number Decimals	Number Negative Numbers	Measure Convert Units	Measure Volume
Year 5	<ul style="list-style-type: none"> • Roman numerals to 1000 • Numbers to 10,000 • Numbers to 100,000 • Numbers to 1,000,000 • Read & write numbers to 1,000,000 • Powers of 10 10 / 100 / 1000 / 10,000 / 100,000 more or less • Partition numbers to 1,000,000 • Number line to 1,000,000 • Compare & order numbers to 100,000 • Compare & order numbers to 1,000,000 • Round to the nearest 10, 100 or 1000 • Round within 100,000 • Round within 1,000,000 	<ul style="list-style-type: none"> • Mental strategies • Add whole numbers with more than four digits • Subtract whole numbers with more than four digits • Round to check answers • Inverse operations • Multi-step addition & subtraction problems • Compare calculations • Find missing numbers 	<ul style="list-style-type: none"> • Multiples • Common multiples • Factors • Common factors • Prime numbers • Square numbers • Cube numbers • Multiply by 10, 100 & 1000 • Divide by 10, 100 & 1000 • Multiples of 10, 100 & 1000 	<ul style="list-style-type: none"> • Find fractions equivalent to a unit fraction • Find fractions equivalent to a non-unit fraction • Recognise equivalent fractions • Convert improper fractions to mixed numbers • Convert mixed numbers to improper fractions • Compare fractions less than 1 • Order fractions less than 1 • Compare & order fractions greater than 1 • Add & subtract fractions with the same denominator • Add fractions within 1 • Add fractions with total greater than 1 • Add to a mixed number • Add two mixed numbers • Subtract fractions • Subtract from a mixed number • Subtract from a mixed number – breaking the whole • Subtract two mixed numbers 	<ul style="list-style-type: none"> • Multiply up to a 4-digit by 1-digit number • Multiply 2-digit by 2-digit (area model) number • Multiply 2-digit by 2-digit number • Multiply 3-digit by 2-digit number • Multiply 4-digit by 2-digit number • Solve problems with mult • Short division • Divide 4-digit by 1-digit number • Divide with remainders • Efficient division • Solve problems with mult and division 	<ul style="list-style-type: none"> • Multiply a unit fraction by an integer • Multiply a non-unit fraction by an integer • Multiply a mixed number by an integer • Calculate a fraction of a quantity • Fraction of an amount • Find the whole • Use fractions as operators 	<ul style="list-style-type: none"> • Decimals up to 2 decimal places • Equivalent fractions & decimals (tenths) • Equivalent fractions & decimals • Thousandths as fractions • Thousandths as decimals • Thousandths on a place value chart • Order & compare decimals (same number of decimal places) • Order & compare any decimals with up to 3dp • Round to the nearest whole number • Round to 1dp • Understand percentages • Percentages as fractions • Percentages as decimals 	<ul style="list-style-type: none"> • Perimeter of rectangles • Perimeter of polygons • Perimeter of compound shapes • Area of rectangles • Area of compound shapes • Estimate area 	<ul style="list-style-type: none"> • Draw line graphs • Read & interpret line graphs • Read & interpret tables • Two-way tables • Read & interpret timetables 	<ul style="list-style-type: none"> • Understand & use degrees • Classify angles • Estimate angles • Measure angles up to 180 • Draw lines & angles accurately • Calculate angles around a point • Calculate angles on a straight line • Lengths & angles in shapes • Regular & irregular polygons • 3D shapes 	<ul style="list-style-type: none"> • Read & plot coordinates • Problem solving with coordinate s • Translation • Translation with coordinates • Lines of symmetry • Reflection in horizontal & vertical lines 	<ul style="list-style-type: none"> • Use known facts to add & subtract decimals within 1 • Complements to 1 • Add & subtract decimals across 1 • Add decimals with the same number of dp • Subtract decimals with different numbers of dp • Efficient strategies for adding & subtracting decimals • Decimal sequences • Multiply by 10, 100 & 1000 • Divide by 10, 100 & 1000 • Multiply & divide decimals – missing values 	<ul style="list-style-type: none"> • Understand negative numbers • Count through zero in 1s • Count through zero in multiples • Compare & order negative numbers • Find the difference 	<ul style="list-style-type: none"> • Kilograms & kilograms • Millimetres & millilitres • Convert units of length • Convert between metric & imperial units • Convert units of time • Calculate with timetables 	<ul style="list-style-type: none"> • Cubic centimetres • Compare volume • Estimate volume • Estimate capacity

• Equivalent fractions, decimals & percentages															
Year 6	Number Place Value Numbers to 10,000,000	Number Add, Subtract, Mult & Div	Number Fractions	Number Fractions, Decimals & Percentages	Number Ratio	Number Convert Units	Number Consol	Number Algebra	Measure Area, Perim & Volume	Statistics	Geometry Shape	Geom Position & Direction	Number Consolid	Number Real Life Skills	Number Algebra
	<ul style="list-style-type: none"> Numbers to 1,000,000 Numbers to 10,000,000 Read & write numbers to 10,000,000 Powers of 10 Number line to 10,000,000 Compare & order any integers Place value within 1 Place value – integers & decimals Round any integer Round decimals Negative numbers 	<ul style="list-style-type: none"> Add & subtract integers Common factors Common multiples Rules of divisibility Primes to 100 Square & cube numbers Multiply up to a 4-digit by a 2-digit number Solve problems with multiplication Short division Division using factors Intro to long division Long division with remainders Solve problems with division Solve multi-step problems Order of operations Mental calculations & estimation Reason from known facts Add & subtract decimals Multiply by 10, 100 & 1000 Divide by 10, 100 & 1000 Multiply decimals by integers Divide decimals by integers Multiply & divide decimals in context 	<ul style="list-style-type: none"> Equivalent fractions and simplifying Equivalent fractions on a number line Compare & order fractions Add & subtract simple fractions Add & subtract any two fractions Add mixed numbers Subtract mixed numbers Multi-step problems Multiply fractions by integers Multiply fractions by fractions Divide a fraction by an integer Mixed questions with fractions Fraction of an amount Fraction of an amount – find the whole 	<ul style="list-style-type: none"> Decimal & fraction equivalents Fractions as division Understand percentages Fractions to percentages Equivalent fractions, decimals & percentages Order fractions, decimals & percentages Percentage of an amount – one step Percentage of an amount – multi-step Percentages – missing values 	<ul style="list-style-type: none"> Add or multiply? Use ratio language Intro to the ratio symbol Ratio & fractions Scale drawing Use scale factors Similar shapes Ratio problems Proportion problems Recipes 	<ul style="list-style-type: none"> Metric measures Convert metric measures Calculate with metric measures Miles & kilometres Imperial measures 	<ul style="list-style-type: none"> Fractions Decimals Percentages Ratio & proportion 	<ul style="list-style-type: none"> 1-step function machines 2-step function machines Form expressions Substitution Formulae Form equation Solve 1-step equations Solve 2-step equations Find pairs of values Solve problems with two unknowns 	<ul style="list-style-type: none"> Shapes – same area Area & perimeter Area of a triangle – counting squares Area of a right-angled triangle Area of any triangle Area of a parallelogram Volume - counting cubes Volume of a cuboid 	<ul style="list-style-type: none"> Line graphs Dual bar charts Read & interpret pie charts Pie charts with percentages Draw pie charts The mean 	<ul style="list-style-type: none"> Measure & classify angles Calculate angles Vertically opposite angles Angles in a triangle Angles in a triangle – special cases Angles in a quadrilateral Angles in polygons Circles Draw shapes accurately Nets of 3D shapes 	<ul style="list-style-type: none"> The first quadrant Read & plot points in four quadrants Solve problems with coordinates Translations Reflections 	<ul style="list-style-type: none"> Consolidate all aspects of number: Place value Calculation Fractions, decimals & percentage Ratio & proportion Conversions 	<ul style="list-style-type: none"> Application of skills to real life problem solving 	<ul style="list-style-type: none"> Algebra in prep for KS3

Red – Ready to Progress Criteria

Teaching for Mastery

Our scheme of learning, based on the 'White Rose Scheme' is designed to support a mastery approach to teaching and learning and is consistent with the aims and objectives of the National Curriculum.

- Putting Number First**

Our scheme has number at its heart. A significant amount of time is spent reinforcing number in order to build competency and ensure children can confidently access the rest of the curriculum.

- Depth Before Breadth**

Our aim is for children to acquire depth of knowledge within each topic. Opportunities to revisit previously learned skills are built into later units of work.

- Working Together**

Children work together on the same schemes of work, with learning adapted as and when necessary to allow access for all. Children of all abilities are encouraged to support each other in their learning.

- **Fluency, Reasoning and Problem Solving**

Our scheme develops all three key areas of the National Curriculum, giving children the knowledge and skills they need to become confident mathematicians.

Concrete – Pictorial – Abstract (CPA)

Research shows that all children, when introduced to a new concept, should have the opportunity to build competency by following the CPA approach. This features throughout our scheme of learning.

Common Mistakes, Misconceptions & Areas Requiring Additional Support

Teachers plan for common mistakes, misconceptions and areas that may require additional support by making themselves familiar with the 'Things to look out for' section on the termly 'White Rose Schemes of Learning'.

Vocabulary

Understanding a wide range of mathematical vocabulary is essential to our scheme of work; consequently vocabulary is specifically taught through daily lessons and 'Possible Sentence Stems' are used to further support children's mathematical language and to develop their reasoning skills.