Woodside School Maths Overview

Year 3

	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	Number **Place value**			Number **Addition and subtraction**					Number **Multiplication and division A**			
Spring	Number **Multiplication and division B**			Measurement **Length and perimeter**			Number **Fractions A**			Measurement **Mass and capacity**		
Summer	Number **Fractions B**		Measurement **Money**		Measurement **Time**			Geometry **Shape**		Statistics		Consolidation

Year 3

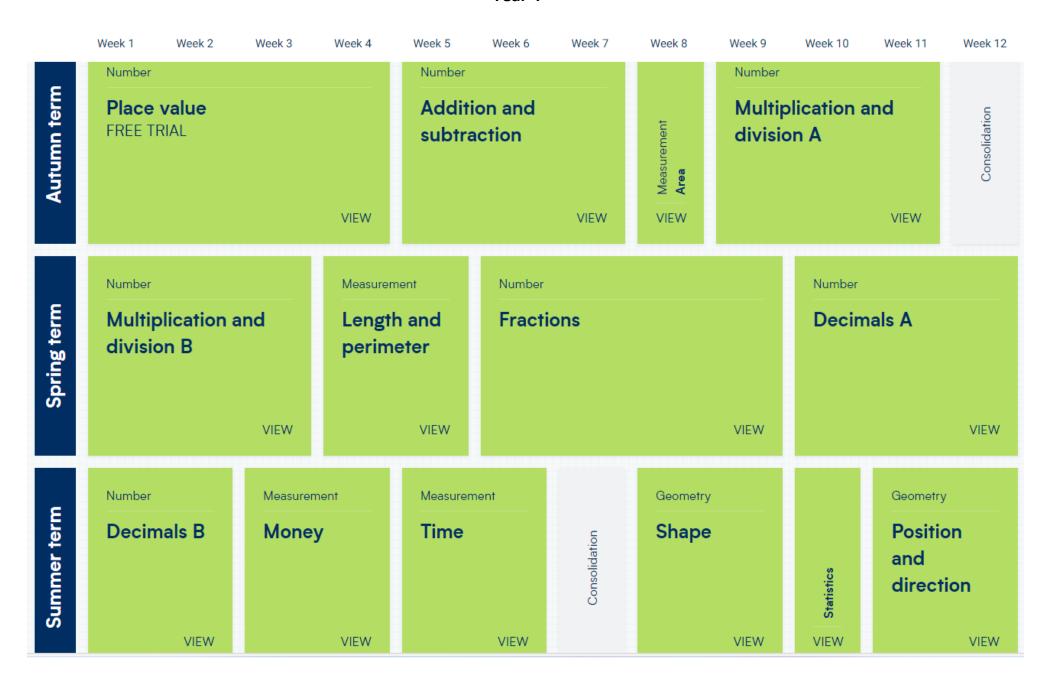|			
Autumn term	**Number: Place Value** • Represent numbers to 100 • Partition numbers to 100 • Number lines to 100 • Looking at hundreds • Representing numbers to 1000 • Partition numbers to 1000 • Flexible partitioning of numbers to 1000 • Hundreds, tens and ones • Find 1, 10 and 100 more and less • Numbers lines to 1000 • Estimate a number on a number line to 1000 • Compare numbers to 1000 • Order numbers to 1000 • Count in 50s	**Number: Addition and Subtraction** • Apply number bonds within 10 • Add and subtract 1s, 10s and 100s • Spot patterns • Add 1s across a 10 • Add 10s across a 100 • Subtract 1s across a 10 • Subtract 10s across a 100 • Makes connections • Add 2 numbers (no exchange) • Subtract 2 numbers (no exchange) • Add 2 numbers (across a 10) • Add 2 numbers (across a 100) • Subtract 2 numbers (across a 10) • Subtract 2 numbers (across a 100) • Add 2-digit and 3-digit numbers • Subtract a 2-digit from a 3-digit number • Complements to 100 • Estimate answers • Inverse operations • Make decisions	**Number: Multiplication and division A** • Multiplication (equal groups) • Using arrays • Multiples of 2 • Multiples of 5 and 10 • Sharing and grouping • Multiply by 3 • Divide by 3 • The 3 times table • Multiply by 4 • Divide by 4 • The 4 times table • Multiply by 8 • Divide by 8 • The 8 times table • The 2, 4 and 8 times tables	
Spring term	**Number: Multiplication and division B** • Multiples of 10 • Related calculations • Reasoning about multiplication • Multiply a 2-digit number by a 1 digit number (no exchange) • Multiply a 2-digit number by a 1 digit number (with exchange)	**Measurement: Length and perimeter** • Measure in metres and centimetres • Measure in millimetres • Measure in centimetres and millimetres • Metres, centimetres and millimetres • Equivalent lengths (m and cm) • Equivalent lengths (cm and mm)	**Number: Fractions A** • Understand the denominators of unit fractions • Compare and order unit fractions • Understand the numerators of non- unit fractions • Understand the whole • Compare and order non- unit fractions • Fractions and scales • Fractions on a number line	**Measurement: Mass and Capacity** • Use scales • Measure mass in grams • Measure mass in kg and grams • Equivalent masses (kg and g) • Compare mass • Add and subtract mass • Measure capacity and volume in millilitres • Measure capacity and volume in litres and millilitres • Equivalent capacities and volumes (litres and millilitres)

	• Link multiplication and division • Divide a 2-digit number by a 1 digit number (no exchange) • Divide a 2-digit number by a 1 digit number (flexible partitioning) • Divide a 2-digit number by a 1 digit number (with remainders) • Scaling • How many ways?	• Compare lengths • Add lengths • Subtract lengths • What is perimeter? • Measure perimeter • Calculate perimeter	• Count in fractions on a number line • Equivalent fractions on a number line • Equivalent fractions as bar models	• Compare capacity and volume • Add and subtract capacity and volume	

Summer term	Number: Fractions B	Measurement: Money	Measurement: Time	Geometry: Shape	Statistics	Consolidation
	• 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	• Pounds and pence • Convert pounds and pence • Add money • Subtract money • Find change	• Roman numerals to 12 • Tell the time to 5 minutes • Tell the time to the minute • Read time on a digital clock • Use am and pm • Years, months and days • Days and hours • Hours and minutes- use start and end times • Hours and minutes- use durations • Minutes and seconds • Units of time • Solve problems with time	• Turns and angles • Right angles • Compare angles • Measure and draw accurately • Horizontal and vertical • Parallel and perpendicular • Recognise and describe 2D shapes • Draw polygons • Recognise and describe 3D shapes • Make 3D shapes	• Interpret pictograms • Draw pictograms • Interpret bar charts • Draw bar charts • Collect and represent data • Two- way tables	

Year 4

	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

Measurement
Area
VIEW

Number
Multiplication and division A
VIEW

Consolidation

Spring term

Number
Multiplication and division B
VIEW

Measurement
Length and perimeter
VIEW

Number
Fractions
VIEW

Number
Decimals A
VIEW

Summer term

Number
Decimals B
VIEW

Measurement
Money
VIEW

Measurement
Time
VIEW

Consolidation

Geometry
Shape
VIEW

Statistics
VIEW

Geometry
Position and direction
VIEW

Year 4					
Autumn term	**Number: Place Value** • **Represent numbers to 1000** • **Partition numbers to 1000** • **Number line to 1000** • **Learning about thousands** • **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 than a number** • **Number line to 10,000** • **Estimate a number on a 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**	**Number: Addition and Subtraction** • **Add and subtract 1s, 10s, 100s, 1000s** • **Add up to two 4-digit numbers (no exchange)** • **Add up to two 4-digit numbers (one exchange)** • **Add up to two 4-digit numbers (more than one exchange)** • **Subtract two 4-digit numbers (no exchange)** • **Subtract two 4-digit numbers (one exchange)** • **Subtract two 4-digit numbers (more than one exchange)** • **Efficient subtraction** • **Estimate answers** • **Checking strategies**	**Measurement: Area** • **What is area?** • **Counting squares** • **Making shapes** • **Comparing lengths**	**Number: Multiplication and division A** • **Multiples of 3** • **Multiply and divide by 6** • **6 times tables and division facts** • **Multiply and divide by 9** • **9 times table and division facts** • **The 3, 6 and 9 times table** • **Multiply and divide by 7** • **7 times tables and division facts** • **11 times tables and division facts** • **12 times tables and division facts** • **Multiplying by 1 and 0** • **Divide a number by 1 and itself** • **Multiply 3 numbers**	Consolidation
Spring term	**Number: Multiplication and division B** • **Factor pairs** • **Use factor pairs** • **Multiply by 10**	**Measurement: Length and perimeter** • **Measure in km and m**	**Number: Fractions** • **Understand the whole** • **Count beyond 1** • **Partition a mixed number** • **Number lines with mixed numbers**	**Number: Decimals A** • Tenths as fractions • Tenths as decimals • Tenths on a place value chart • Tenths on a number line	

- **Multiply by 100**
- **Divide by 10**
- **Divide by 100**
- **Related facts-multiplication and division**
- **Informal written methods for multiplication**
- **Multiply a 2-digit number by a 1-digit number**
- **Multiply a 3-digit number by a 1-digit number**
- **Divide a 2-digit number by a 1-digit number**
- **Divide a 3-digit number by a 1-digit number**
- **Correspondence problems**
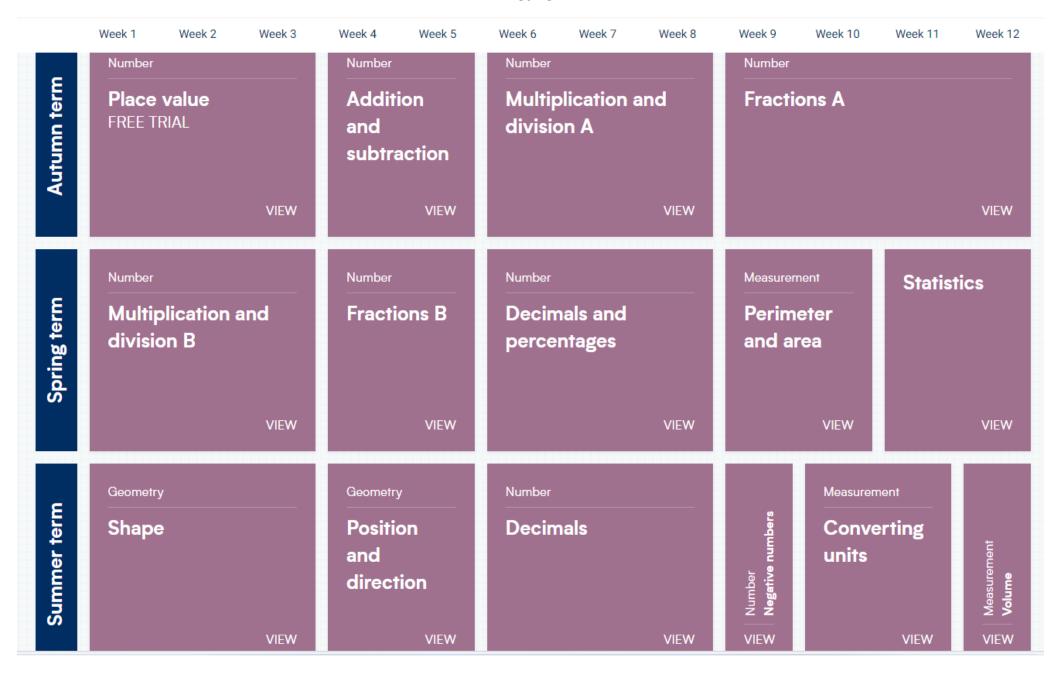- **Efficient multiplication**

- **Equivalent lengths (km and m)**
- **Perimeter on a grid'**
- **Perimeter of a rectangle**
- **Perimeter of rectilinear shapes**
- **Find missing lengths in rectilinear shapes**
- **Calculate perimeter of rectilinear shapes**
- **Perimeter of regular polygons**

- **Compare and order mixed numbers**
- **Understand improper fractions**
- **Convert mixed numbers to improper fractions**
- **Convert improper fractions to mixed numbers**
- **Equivalent fractions on a number line**
- **Equivalent fractions families**
- **Add two or more fractions**
- **Add fractions and mixed numbers**
- **Subtract 2 fractions**
- **Subtract from whole amounts**
- **Subtract from mixed numbers**

- Divide a 1-digit number by 10
- Divide a 1-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

Summer term	Number: Decimals B	Measurement: Money	Measurement: Time	Consolidation	Geometry: Shape	Statistics	Geometry: Position and Direction
	• Make s whole with tenths • Make s whole with hundredths • Partition decimals • Flexibly partition decimals • Compare decimals • Order decimals • Round to the nearest whole number • Halves and quarters as decimals	• Write money using decimals • Convert between pounds and pence • Compare amounts of money • Estimate with money • Calculate with money • Solve problems with money	• Years, months, weeks and days • Hours, minutes and seconds • Convert between analogue and digital times • Convert to the 24 hour clock • Convert from the 24 hour clock		• Understand angles as turns • Identify angles • Compare and order angles • Triangles • Quadrilaterals • Polygons • Lines of symmetry • Complete a symmetric figure •	• Interpret charts • Comparison, sum and difference • Interpret line graphs • Draw line graphs	• Describe position using coordinates • Plot coordinates • Draw 2D shapes on a grid • Translate on a grid • Describe a translation on a grid

Year 5

	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
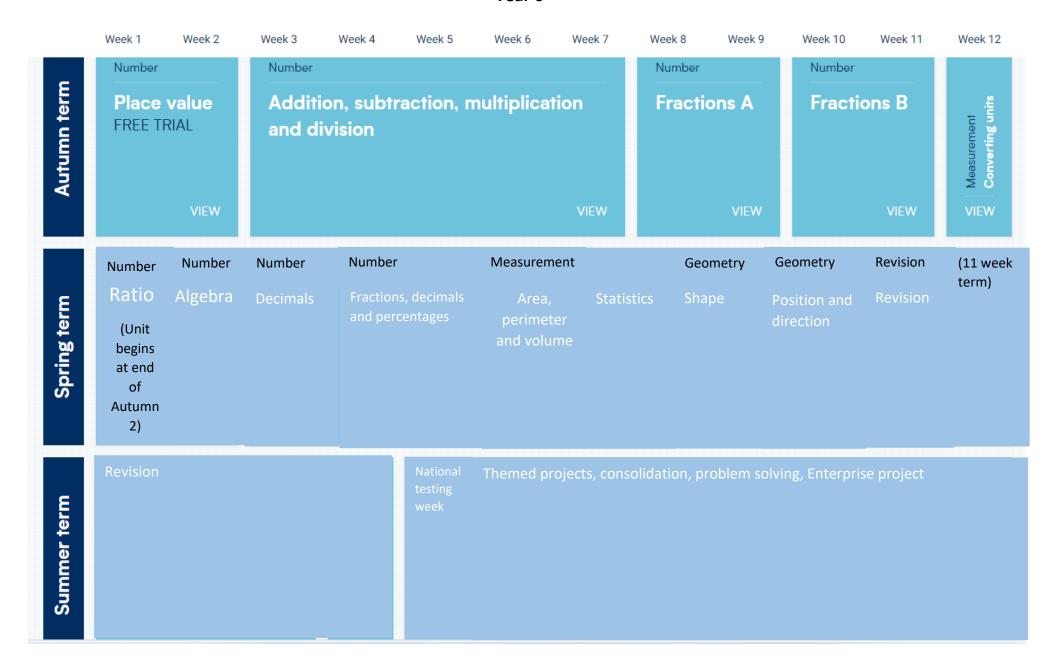VIEW

Measurement
Volume
VIEW

Year 5

Autumn term

Number: Place Value
- Roman numerals to 1000
- Numbers to 10,000
- Numbers to 100,000
- Numbers to 1,000,000
- Read and 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 and order numbers to 100,000
- Compare and order numbers to 1,000,000
- Round to the nearest 10, 100, 1000
- Round within 100,000
- Round within 1,000,000

Number: Addition and Subtraction
- Mental strategies
- Add whole numbers with more than 4 digits
- Subtract whole numbers with more than 4 digits
- Round to check answers
- Inverse operations (addition and subtraction)
- Multi-step addition and subtraction problems
- Compare calculations
- Find missing numbers

Number: Multiplication and division A
- Multiples
- Common multiples
- Factors
- Common factors
- Prime numbers
- Square numbers
- Cube numbers
- Multiply by 10, 100 and 1000
- Divide by 10, 100 and 1000
- Multiples of 10, 100 and 1000

Number: Fractions A
- 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 and order fractions greater than 1
- Add and 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

Spring term

Number: Multiplication and division B
- Multiply up to a 4-digit number by a 1 digit number
- Multiply a 2-digit number by a 2-digit number (area model)
- Multiply a 2-digit number by a 2-digit number

Number: Fractions B
- Multiply a unit fraction by an integer
- Multiply a non- unit fraction by an integer
- Multiply a mixed number by an integer

Number: Decimals and percentages
- Decimals up to 2 decimal places
- Equivalent fractions and decimals (tenths)
- Equivalent fractions and decimals (hundredths)
- Equivalent fractions and decimals
- Thousandths as fractions
- Thousandths as decimals

Measurement: Perimeter and Area
- Perimeter of rectangles
- Perimeter of rectilinear shapes
- Perimeter of polygons
- Area of rectangles
- Area of compound shapes
- Estimate area

Statistics
- Draw line graphs
- Read and interpret line graphs
- Read and interpret tables
- Two-way tables

	• Multiply a 3-digit number by a 2-digit number • Multiply a 4-digit number by a 2-digit number • Solve problems with multiplication • Short division • Divide a 4 digit number by a 1 digit number • Divide with remainders • Efficient division • Solve problems with multiplication and division	• Calculate a fraction of a quantity • Fraction of an amount • Find the whole • Use fractions as operators	• Thousandths on a place value chart • Order and compare decimals (same number of decimal places) • Order and compare decimals with up to 3 decimal places • Round to the nearest whole number • Round to 1 decimal place • Understand percentages • Percentages as fractions • Percentages as decimals • Equivalent fractions, decimals and percentages			• Read and interpret timetables
Summer term	**Geometry: Shape** • Understand and use degrees • Classify angles • Estimate angles • Measure angles up to 180 degrees • Draw lines and angles accurately • Calculate angles around a point • Calculate angles on a straight line	**Geometry: Position and Direction** • Read and plot coordinates • Problems solving with coordinates • Translation • Translation with coordinates • Lines of symmetry • Reflection in horizontal and vertical lines	**Number: Decimals** • Use known facts to add and subtract decimals within 1 • Complements to 1 • Add and subtract decimals across 1 • Add decimals with the same number of decimal places • Subtract decimals with the same number of decimal places • Add numbers with different numbers of decimal places • Subtract numbers with different numbers of decimal places • Efficient strategies for adding and subtracting decimals • Decimal sequences • Multiplying by 10,100 and 1000 • Divide by 10,100 and 1000	**Number: Negative numbers** • Understand negative numbers • Count through zero in 1s • Count through zeros in multiples • Compare and order negative numbers • Find the difference	**Measurement: Converting units** • Kilograms and kilometres • Millimetres and millilitres • Convert units of length • Convert between metric and imperial units • Convert units of time	**Measurement: Volume** • Cubic centimetres • Compare volume • Estimate volume • Estimate capacity

	• **Lengths and angles in shapes** • **Regular and irregular polygons** • **3D shapes**		• **Multiply and divide decimals- missing values**		• **Calculate with timetables**

Year 6

	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, subtraction, multiplication and division** VIEW					Number **Fractions A** VIEW		Number **Fractions B** VIEW		Measurement Converting units VIEW
Spring term	Number Ratio (Unit begins at end of Autumn 2)	Number Algebra	Number Decimals	Number Fractions, decimals and percentages		Measurement Area, perimeter and volume	Statistics	Geometry Shape	Geometry Position and direction	Revision Revision	(11 week term)	
Summer term	Revision				National testing week	Themed projects, consolidation, problem solving, Enterprise project						

Year 6

Autumn term	**Number: Place Value** • Numbers to 1,000,000 • Numbers to 10,000,000 • Read and write numbers to 10,000,000 • Powers of 10 • Number line to 10,000,000 • Compare and order any integers • Round any integer • Negative numbers	**Number: Addition, subtraction, multiplication and division** • **Add and subtract integers** • **Common factors** • **Common multiples** • **Rules of divisibility** • **Primes to 100** • **Square and cube numbers** • **Multiply up to a 4 digit number by a 2 digit number** • **Solve problems with multiplication** • **Short division** • **Introduction to long division** • **Long division with remainders** • **Solve problems with division** • **Solve multi-step problems** • **Order of operations** • **Mental calculation and estimation** • **Reason from known facts**	**Number: Fractions A** • **Equivalent fractions and simplifying** • **Equivalent fractions on a number line** • **Compare and order (denominator)** • **Compare and order (numerator)** • **Add and subtract simple fractions** • **Add and subtract any two fractions** • **Add mixed numbers** • **Subtract mixed numbers** • **Multi-step problems**	**Number: Fractions B** • Multiply fractions by integers • Multiply fractions by fractions • Divide a fraction by an integer • Divide any fraction by an integer • Mixed questions with fractions • Fraction of an amount • Fraction of an amount- find the whole	**Measurement: Converting units** • **Metric measures** • **Convert metric measures** • **Calculate with metric measures** • **Miles and kilometres** • **Imperial measures**
Spring term	**Number: Ratio** • **Add or multiply?** • **Use ratio language** • **Introduction to the ratio symbol** • **Ratio and fractions** • **Scale drawing** • **Use scale factors** • **Similar shapes** • **Ratio problems** • **Proportion problems** • **Recipes**	**Number: Algebra** • **1-step function machines** • **2-step function machines** • **Form expressions** • **Substitution** • **Formulae** • **Form equations** • **Solve 1 step equations**	**Number: Decimals** • Place value within 1 • Place value- integers and decimals • Round decimals • Add and subtract decimals • Multiply by 10, 100 and 1000 • Divide by 10, 100 and 1000 • Multiply decimals by integers • Divide decimals by integers • Multiply and divide decimals in context	**Number: Fractions, decimals and percentages** • Decimal and fraction equivalents • Fractions as division • Understand percentages • Fractions to percentages • Equivalent fractions, decimals, percentages	**Statistics** • **Line graphs** • **Dual bar charts** • **Read and interpret pie charts** • **Pie charts with percentages** • **Draw pie charts** • **The mean**

		Solve 2 step equations **Find pairs of values** **Solve problems with 2 unknowns**		- Order fractions, decimals and percentages - Percentage of an amount- one step - Percentage of an amount- multi step - Percentages- missing values	
Spring term continued **Summer term**	**Geometry: Shape** **Measure and classify angles** **Calculate angles** **Vertically opposite angles** **Angles in a triangle** **Angles in a triangle- special cases** **Angles in a triangle- missing angles** **Angles in a quadrilateral** **Angles in polygons** **Circles** **Draw shapes accurately** **Nets of 3D shapes**	**Geometry: Position and Direction** - The first quadrant - Read and plot points in all 4 quadrants - Solve problems with coordinates - Translations - Reflections	**Summer term:** **Revision** **National testing week** **Themed projects, consolidation, problem solving, Enterprise project**		