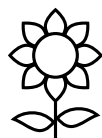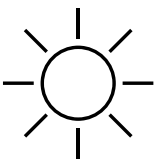| TERM	YEAR 7	YEAR 8	YEAR 9
AUTUMN	**1. Analysing and Displaying Data** Mode, Median, Mean and Range Pictograms and Bar Charts Tallying and Grouping data Comparing Data Unit Test (Formative)	**1. Number** Calculations Divisibility and Division Negative Integers Powers, Roots and Brackets Multiples and Factors Unit Test (Formative)	**1. Indices and Standard Form** Indices Calculation and Estimates Standard Form More Indices Unit Test (Formative)
	2. Number Skills Mental Maths Addition and Subtraction Multiplication and Division Money and Time Negative Numbers Factors, Multiples and Primes Square Numbers Unit Test (Formative)	**2. Area and Volume** Area of a Triangles Area of a parallelogram and trapezium Volume of Cubes and Cuboids 2D representations of 3D shapes Surface Area of Cubes and Cuboids Measures Unit Test (Formative)	**2. Expressions and Formulae** Solving Equations Substitution into expressions Writing and Using Formulae Using and Rearranging Formulae Index Laws and Brackets Expanding Double Brackets Unit Test (Formative)
	3. Expressions, Functions and Formulae Functions Simplifying Expressions Writing Expressions and Formulae Substitution into Formulae Unit Test (Formative)	**3. Statistics, Graphs and Charts** Pie Charts Using Tables Stem and Leaf Diagrams Comparing Data Scatter Diagrams Misleading Graphs Unit Test (Formative)	**3. Dealing with Data** Planning a Survey Collecting Data Calculating Averages Displaying and Analysing Data Presenting and Comparing Data Unit Test (Formative)
	4 .Decimals and Measure Decimals and Rounding Length, Mass and Capacity Scales and Measures Working with Decimals Perimeter and Area Unit Test (Formative)	**4. Expressions and Equations** Algebraic Powers Expressions and Brackets Factorising Expressions Solving Equations Unit Test (Formative)	**4. Multiplicative Reasoning** Enlargement Negative and Fractional Scale Factors Percentage Change Compound Measures Direct and Inverse Proportion Unit Test (Formative)
	TERM TEST (SUMMATIVE)	**TERM TEST (SUMMATIVE)**	**TERM TEST (SUMMATIVE)**

SPRING	5. Fractions and Percentages	5. Real-Life Graphs	5. Constructions
	Comparing and Simplifying Fractions	Conversion Graphs	Using Scales
	Working with Fractions	Distance-Time Graphs	Basic Constructions
	Fractions and Decimals	Line Graphs	Constructing Triangles
	Understanding Percentages	Real-life Graphs	Using accurate scale drawings
	Percentages of Amounts	Curved Graphs	Unit Test (Formative)
	Unit Test (Formative)	Unit Test (Formative)	**6. Sequences, Inequalities, Equations and Proportion**
	6. Probability	**6. Decimals and Ratio**	Nth term of arithmetic sequences
	The language of Probability	Ordering and Rounding Decimals	Non-Linear Sequences
	Calculating Probability	Place-Vlaue Calculations	Inequalities
	Experimental Probability	Calculations with Decimals	Solving Equations
	Expected Outcomes	Ratio and Proportion with Decimals	Proportion
	Unit Test (Formative)	Unit Test (Formative)	Unit Test (Formative)
	7. Ratio and Proportion	**7. Lines and Angles**	**7. Circles, Pythagoras and Prisms**
	Direct Proportion	Quadrilaterals	Circumference and Area of a Circle
	Writing and Using Ratios	Angles in Parallel Lines	Pythagoras' Theorem
	Ratio, Proportion and Fractions	Alternate and Corresponding Angles	Prisms and Cylinders
	Proportions and Percentages	Exterior and Interior Angles	Errors and Bounds
	Unit Test (Formative)	Problem Solving with Angles	Unit Test (Formative)
	TERM TEST (SUMMATIVE)	Unit Test (Formative)	
		TERM TEST (SUMMATIVE)	**TERM TEST (SUMMATIVE)**

SUMMER	**8. Lines and Angles** Measuring and Drawing Angles Lines, Angles and Triangles Drawing Triangles Accurately Calculating Angles Quadrilaterals Unit Test (Formative)	**8. Calculating with Fractions** Ordering Fractions Adding and Subtracting Fractions Multiplying and Dividing Fractions Calculating with Mixed Numbers Unit Test (Formative)	**8. Graphs** Using y=mx+c More straight-Line graphs Simultaneous Equations Grpahs of Quadratic Functions More Non-Linear Graphs Unit Test (Formative)
	9. Sequences and Graphs Sequences and Patterns Coordinates and Mid-points Coordinates and Mid-points Extending Sequences Straight-Line Graphs Position to Term Rules Unit Test (Formative)	**9. Straight-Line Graphs** Direct Proportion on Graphs Gradients Equations of Straight Lines Unit Test (Formative)	**END OF YEAR TEST (SUMMATIVE)**
			9. Probability Mutually Exclusive Events Experimental and Theoretical Probability Sample Space Diagrams Two-Way Tables Venn Diagrams Unit Test (Formative)
	END OF YEAR TEST (SUMMATIVE)	**END OF YEAR TEST (SUMMATIVE)**	
	10. Transformations Congruency and Enlargements Symmetry and Reflection Rotations Translations Combined Transformations Unit Test (Formative)	**10. Percentages. Decimals and Fractions** Fractions and Decimals Equivalent Proportions Writing Percentages Percentages of Amounts Unit Test (Formative)	**10. Comparing Shapes** Congruent and Similar Shapes Ratios in Triangles Basic Trigonometry Unit Test (Formative)
			NUMBER AND ALGEBRA CONSOLIDATION Recap of Key Number and Algebra topics in preparation for GCSE