Year 7	AUTUMN TERM		SPRING TERM		SUMMER TERM	
Topic	Number	Algebra & Time	Shape & Geometry	Geometry, Measure & Units	Fractions & Time	Statistics
Key Concepts/ Knowledge	Roman Numerals Odds & Evens Partitioning Place Value Addition Subtraction Multiplication Division Rounding & Estimates Multiples & LCM Factors & HCF	One Step Rule Two Step Rule Forming Expressions Substitution Formulae Forming Equations **Time (1)** O'clock & half past Quarter past & quarter to Days of the week Months of the year	2D Shapes Property of Shape Identifying Angles Comparing and Ordering Angles Using a Protractor Calculate Angles on a Straight Line Calculate Angles Around a Point Triangles Quadrilaterals	Perimeter Area Volume 3D Shapes Converting Units of Measure Measuring Money Symmetry and Reflection in Shape Position & Direction	What is a Fraction? Equivalent Fractions Adding & Subtracting Fractions same denominator Adding & Subtracting Fractions different denominator Multiplying Fractions with whole numbers Multiplying Fractions with Fractions **Time (2)**	Venn Diagrams Tally Charts Pictograms Bar Charts (Graphs) Line Graphs Two-way Tables Circles Pie Charts Timetables

Year 8	AUTUMN TERM		SPRING TERM		SUMMER TERM	
Topic	Number	Number & Algebra	Angles & Geometry & Coordinates	Ratio & Proportion	Probability & Number	Statistics
Key Concepts/ Knowledge	Roman Numerals Odds & Evens Addition Subtraction Partitioning Place Value Words & Figures Short Division Long Division Ordering Integers Negative Numbers BIDMAS Squared Numbers Cubed Numbers	Addition & Subtraction Function Machines Find a rule – one step Find a rule – two step Forming expressions Substitution Collecting Like Terms Forming and solving equations Expanding Brackets	Measuring & Drawing Angles Finding unknown Angles Parallel lines 3D shapes & Nets Length & Area of Parallelograms & Trapeziums Parts of a Circle Coordinates	Using Ratio Language Ratios & Fractions Simplest Form Sharing the Total Scale Factor Proportion Problems Area Perimeter Volume	Probability Scale Basic Probability Decimals up to 2 d.p. Multiply by 10, 100, 1000 Divide by 10, 100, 1000 Percentages Divide by Integers Decimals as Fractions	Read and Interpret Line Graphs Draw line Graphs to solve problems Circles Read & Interpret a Pie Chart Draw a Pie Chart Fractions & Percentages of a Pie Char Pictograms Block Diagrams Bar Charts Two Way Tables Mode Median Mean Range

Year 9	AUTUMN TERM		SPRING TERM		SUMMER TERM	
Topic	**Number & Arithmetic**	**Fractions, Ratio, Proportion & Units**	**Algebraic Expressions**	**Geometry & Measure Angles / Shape**	**Probability 2D Shape**	**Statistics**
Key Concepts/ Knowledge	Place Value Ordering Decimals & Integers Calculations with Negative Numbers BIDMAS Powers & Roots & Primes Indices Standard Form Inequalities	Equivalent Fractions Adding & Subtracting Fractions Mixed Numbers & Improper Fractions Multiplying Whole Numbers by Fractions Simplifying Ratio Sharing the Total Given 1 value Given 2 Values Expressing 1:n Proportion Problems Recipes Converting Units	Looking at Expressions with 1, 2 & 3 terms Simplifying Expressions Expressions with Brackets Factorising Solving 1 & 2 Step Equations Writing Formulas Substituting into a formula Term-to-Term Rules Position to Term Rule	Properties of Triangles & Quadrilaterals Angle Rules Angles between Parallel Lines Angles in a Triangle Angles in a Quadrilateral Perimeter & Area Area of Parallelograms Area of Trapeziums Area of Compound Rectangles	Probability Scale Sample Space Diagram Venn Diagrams Symmetry Reflection Rotation Properties of 2D shapes Properties of 3D Shapes (Pythagoras)	Scatter Graphs & Correlation Lines of Best Fit Mean, Median, Mode & Range Outliers Measuring & Drawing Angles Pie Charts Ungrouped & Grouped Frequency Tables Pictograms Bar Charts