

KS3 CURRICULUM MAPS

CURRICULUM MAP	PAGES
YEAR 7	2 - 3
YEAR 8	4 - 5
YEAR 9	6 - 7

ALGEBRA	NUMBER
DATA	PROBABILITY
FDP	PROPORTION
GEOMETRY	SEQUENCES

Note: This can be subject to change to ensure deep understanding and Mastery of the curriculum

Term	NC Topics	Assessment
AUTUMN	Sequences	Low stakes testing at the end of each “block” (the titles in bold). In order to RAMP Summative Assessment at the end of each term, used to determine progress.
	Understand the features of a sequence	
	Recognise and describe arithmetic sequences	
	Recognise non-linear sequences	
	Introduction to Algebra	
	Form and write algebraic expressions	
	Simplify algebraic expressions by collecting like terms to maintain equivalence	
	Substitute into algebraic expressions, (positive numbers)	
	Solving equations using fact families	
Place Value and Ordering Integers and Decimals		
Understand the value of digits in integers and decimals		
Order Integers, Negative numbers, Decimals		
Round numbers to a required number of decimal places		
Round numbers to a required number of significant figures		
Fraction, Decimal and Percentage Equivalence		
Represent fractions		
Equivalent fractions		
Compare and order fractions		
Convert between fractions and percentages		
Convert between fractions and decimals		
SPRING	Operations and Equations with Directed Number	Low stakes testing at the end of each “block” (the titles in bold). In order to RAMP Summative Assessment at the end of each term, used to determine progress.
	Negative numbers in context	
	Using negative numbers with all four operations	
	Substitute negative numbers into expressions	
	Solving Problems with Addition and Subtraction	
	Use structures that underpin addition and subtraction strategies in integers & decimals	
Find a solution to a linear equation with one unknown (FACT FAMILY)		
Understand the concept of perimeter and use it in a range of problem solving situations		

Term	NC Topics	Assessment
	Solving Problems with Multiplication and Division	
	Use structures that underpin multiplication and division strategies in integers Use factors and multiples Multiply and divide by powers of 10 Understand the concept of area and use it in a range of problem solving situations Find a solution to a linear equation with one unknown (FACT FAMILY)	
	Averages and Range	
	Finding the median, mode and range Finding the mean from a list of data Selecting an appropriate average	
SUMMER	Fractions and Percentages of Amounts	Low stakes testing at the end of each "block" (the titles in bold). In order to RAMP Summative Assessment at the end of each term, used to determine progress.
	Use structures that underpin fractions and percentages of amount Find the fraction of an amount Find the percentage of an amount (Non-calculator) Find the percentage of an amount using multiplicative windows (Calculator)	
	Addition and Subtraction of Fractions	
	Simplifying fractions Mixed Number & Improper Fractions Add and Subtract Fractions using a range of calculation strategies	
	Geometry	
	Measure and Draw Angles Angles in a Straight Line and a Triangle Proving and Constructing Triangles Properties of Quadrilaterals	
	Sets and Probability	
	Introduction to Sets Venn Diagrams and Features Introduction to Probability & Probability Scale Probability of Single Events	

Term	NC Topics	Assessment
AUTUMN	Prime Numbers and Proof	Low stakes testing at the end of each “block” (the titles in bold). In order to RAMP Summative Assessment at the end of each term, used to determine progress.
	Factors, Multiples and Primes Prime Factor Decomposition LCM and HCF using Venn Diagrams Introduction to Proof	
	Ratio and Scale	
	Ratio Notation Share in a ratio Finding the part & Comparative	
	Multiplying and Dividing Fractions	
	Multiply a fraction by an integer/fraction using a range of calculation strategies Divide a fraction by an integer/fraction using a range of calculation strategies	
	Multiplicative Change	
	Understand the concept of multiplicative relationships Use multiplicative relationships to work to a unit Apply multiplicative relationships to a range of contexts	
	Working in the Cartesian Plane	
	Plot points in all four quadrants Horizontal and vertical lines Lines of the form $y = kx$ where k is positive and negative Lines of the form $y = x + a$	
SPRING	Represent Data	Low stakes testing at the end of each “block” (the titles in bold). In order to RAMP Summative Assessment at the end of each term, used to determine progress.
	Two-way tables & Probability Scatter graphs Sample space diagrams	
	Brackets and Equations	
	Expanding single brackets Factorising Expanding double brackets Solving Equations	

Term	NC Topics	Assessment
	Sequences	
	Generate Sequences Finding the nth term	
	Fractions & Percentages	
	Percentage & Fraction of an amount (REVIEW) Percentage Increase/Decrease (Non-Calc) Percentages with a calculator Expressing quantities as a percentage of another	
SUMMER	Standard Index Form	Low stakes testing at the end of each "block" (the titles in bold). In order to RAMP Summative Assessment at the end of each term, used to determine progress.
	Indices and Powers of 10 Writing numbers in Standard Form Arithmetic with Standard Form	
	Angles in Parallel Lines and Polygons	
	Angles in parallel lines Angles in quadrilaterals Interior and exterior angles in polygons	
	Area of Trapezia and Circles	
	Area of a trapezium Circumference of a circle Area of a circle Working with compound shapes	
	Line Symmetry	
	Reflect shapes in a horizontal, vertical or diagonal line	
	The Data Handling Cycle	
	Hypothesis testing & Questionnaires Pie Charts Multiple bar charts Line graphs Grouped frequency tables and diagrams Averages from a table	

Term	NC Topics	Assessment
AUTUMN	Forming and Solving Equations	Low stakes testing at the end of each "block" (the titles in bold). In order to RAMP Summative Assessment at the end of each term, used to determine progress.
	Solving Equations Solving Inequalities Rearrange Formulae	
	Straight Line Graphs	
	Gradient Plotting $y = mx + c$ Find the equation of a line	
	Testing Conjectures	
	Conjectures with factors, multiples & primes Testing conjectures	
	Three-Dimensional Shapes	
	Nets of 3D Shapes Prisms and their properties Plans & Elevations Surface area of prisms & cylinders Volume	
	Constructions and Congruency	
	Scale Drawing Measuring angles Angle bisector Perpendicular bisector Constructing Triangles Congruent shapes	
SPRING	Number	
	Directed Number Operations with fractions Introduction to Surds	
	Using Percentages	
	Percentage Increase/Decrease (REVIEW) Repeated percentage change Reverse percentages	

Term	NC Topics	Assessment
	Rotation and Translation	Low stakes testing at the end of each "block" (the titles in bold). In order to RAMP Summative Assessment at the end of each term, used to determine progress
	Translate a shape Rotate a shape Mixed transformations	
	Pythagoras' Theorem	
	Understand Pythagoras' Theorem Use Pythagoras' Theorem on right-angled triangles Find the length of a line segment	
SUMMER	Enlargement and Similarity	Low stakes testing at the end of each "block" (the titles in bold). In order to RAMP Summative Assessment at the end of each term, used to determine progress.
	Recognise enlargement and similarity Enlarge a shape by a positive and fractional scale factor Find scale factors and missing lengths in similar shapes	
	Solving ratio and proportion problems	
	Ratio problems (REVIEW) Multiplicative relationships (REVIEW) Graphical representations of direct and inverse proportion	
	Rates	
	Speed Density Calculating with Mixed Compound Units Distance-Time Graphs	
	Probability	
	Probability of Single Events (REVIEW) Relative Frequency Tree diagrams	
	Algebraic Representation	
	Draw and interpret quadratic graphs	