

## Mathematics Department

### Curriculum Maps

#### Key Stage 3 and 4

	Term 1	Term 2	Term 3
<b>Year 7</b>	Sequences Algebraic Notation Equality and Equivalence Integers and Decimals Fractions, Decimals and Percentages	Problem solving with addition and subtraction Problem solving with multiplication and division Fraction and Percentages of Amounts Operations and Equations with directed Number Addition and Subtraction of Fractions	Constructing and Measuring Geometric Reasoning Developing number sense Sets and Probability Prime numbers and proof
<b>Year 8</b>	Ratio and Scale Multiplicative change Multiplying and Dividing Fractions The Cartesian Plane Representing Data Tables and Probability	Brackets, Equations and Inequalities Sequences Indices Fraction and Percentages Standard Form Number Sense	Angles in parallel lines and polygons Area of trapezia and circles Lines of symmetry and reflection The Data Handling Cycle Measures of location
<b>Year 9</b>	Straight line graphs Forming and solving equations Testing Conjectures Three Dimensional Shapes Constructions and Congruency	Numbers Using Percentages Maths and Money Deduction Rotation and Translation Pythagoras' Theorem	Enlargement and Similarity Solving Ration and Proportion Problems Rates Probability Algebraic Representation
<b>Year 10</b>	Congruence, similarity and enlargement Trigonometry Representing solutions of equations and inequalities Simultaneous Equations	Angles and Bearings Working with Circles Vectors Ratios and Fractions Percentages and Interest Probability	Collecting, representing and interpreting data Non-Calculator Methods Types of number and sequences Indices and Roots Manipulating Expressions
<b>Year 11</b>	Gradients Non Linear Graphs Using Graphs Expanding and Factorising Changing the Subject Functions	Multiplicative Relationships Geometric Reasoning Algebraic Reasoning Transforming and Constructing Listing and Describing	Examination Preparation