

## Maths Y8 <br> Curriculum Overview

Key Stage 3 Curriculum Journey: Mathematics Year 8

|  | Week 1 Week 39 |  |  |  |  |  |  |  |  |
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|  | Number | FDP | 1-Proportional Reasoning | 2-Representations | 3- Algebraic Techniques | 4- Developing Number | 5-Developing Geometry | 6-Reasoning with data |  |
|  | Calculations <br> Types of number Negative numbers Decimals Types of number and indices Decimals and rounding Powers and roots | Compare <br> Fractions Manipulation Calculation with fractions Percentages Compare fractions Calculations with fractions Percentages Calculations with fractions percentages | Ratio and scale. Multiplicative change. <br> Multiplying and dividing fractions | Working in the Cartesian plane. Representing data. <br> Tables and probability | Brackets, equations and inequalities. Sequences. Indices. | Fractions and Percentages. Standard index form. <br> Number sense. | Angles in parallel lines and polygons. Area of Trapezia and circles. Lines of symmetryand reflection. | The data handling cycle. Measure of location. |  |
|  | Calculate mentally Order numbers Carry out written calculations effectively Find factors and multiples <br> Add, subtract, multiply and divide integers using a suitable written method. <br> Multiply and divide integers by | Write percentages as a fraction with a denominator of 100 <br> Write a percentage as a decimal <br> Describe simple parts of a shape using fractions. Compare simple fractions <br> Change an improper fraction to a mixed number. | -Area <br> -Equations <br> -Converting improper fractions and mixed numbers | -Calculation with directed number -Venn diagrams and set notation. | -Use of directed number. -Solve equations set in the context of earlier contexts shapes, angles, probability, ratio. | -Fraction, decimal and percentage equivalence. -Formal methods for calculation, for integers and fractions. | -Forming and solving equations. <br> -Properties of shapes. <br> -Equations of straight lines. | -Finding the range. |  |






