

Maths

Route 1



Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
<p>CURRICULUM CONTENT -Integers and Place Value. Decimals. Indices, Powers and Roots. Factors, Multiples and Primes. Algebra basics. Expressions Substitution into formulae</p> <p>PRIOR/NEW LEARNING -Year 7 HT1 Year 7 HT1 Year 8 HT2 Year 7 HT1 Year 8 HT2 Year 8 HT2 Year 8 HT3</p> <p>LINKS TO THE KEY THEME - Measuring food for recipes. Calculating nutritional needs, e.g. protein needed to gain muscle mass. Working out sets and reps.</p>	<p>CURRICULUM CONTENT- Algebra basics Expressions Substitution into formulae Properties of shapes. Parallel lines and angle Facts. Interior and Exterior angles of polygons</p> <p>PRIOR/NEW LEARNING - Year 8 HT3 Year 8 HT3 Year 8 HT3 Year 8 HT4 Year 7 HT4 Year 7 HT4</p> <p>LINKS TO THE KEY THEME - How to use recipes/ratios in building/cooking. How angles are important for construction/designing buildings. Practical applications of maths Pursuing a career in maths/physics related educational fields A levels/apprenticeships related to maths. Minimum requirements of maths to progress to further education.</p>	<p>CURRICULUM CONTENT - Fraction, Decimal and Percentages. Indices and Standard Form.</p> <p>PRIOR/NEW KNOWLEDGE -Year 8 HT1 Year 8 HT2</p> <p>LINKS TO THE KEY THEME -Indices and standard form to understand the numbers used in the media/headlines Using mathematical knowledge of fractions/decimals/percentages to think critically about headline news or data presented in the media. E.g. read the fine print, what does 1/2 of all doctors asked actually mean etc.</p>	<p>CURRICULUM CONTENT - Indices and Standard Form. Equations and Inequalities. Sequences</p> <p>PRIOR/NEW LEARNING -Year 8 HT2 Year 8 HT3 Year 7 HT5</p> <p>LINKS TO THE KEY THEME - Being able to compare statistics between countries using standard form to understand the numbers. Maths is a universal language</p>	<p>CURRICULUM CONTENT - Equations and Inequalities. Sequences. Ratio and Proportion. Area, Perimeter and Volume</p> <p>PRIOR/NEW LEARNING -Year 8 HT3 Year 7 HT5 Year 8 HT2 and 5 Year 8 HT4</p> <p>LINKS TO THE KEY THEME - Use ratios to understand statistics about discrimination.</p>	<p>CURRICULUM CONTENT - Area, Perimeter and Volume</p> <p>PRIOR/NEW LEARNING -Year 8 HT4.</p> <p>LINKS TO THE KEY THEME -Learn to learn about area/perimeter and volume but looking at the practical applications in the real world. Learning how to help themselves in exams and exam technique. What is a reasonable or realistic answer?</p>