

Maths

Route 2



Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
<p>CURRICULUM CONTENT - Calculations, checking and rounding. Indices, roots, reciprocals and order of operations Factors, Multiples and Primes. Standard form. Surds. Rearranging and solving equations. Factorising Sequences</p> <p>PRIOR/NEW LEARNING - KS3 Year 7 HT1 KS3 year 8 HT2 KS3 Year 7 HT1 KS3 year 8 HT2 KS3 year 8 HT2 KS3 year 8 HT3 KS3 year 8 HT3 KS3 Year 7 HT5</p> <p>LINKS TO THE KEY THEME - Calculating BMI. Formula for BMI BIDMAS in calculations. Food calories, fat content etc</p>	<p>CURRICULUM CONTENT - Rearranging and solving equations. Factorising Sequences. Polygons, angles and parallel lines. Pythagoras' Theorem and Trigonometry</p> <p>PRIOR/NEW LEARNING -KS3 year 8 HT3 KS3 year 8 HT3 KS3 Year 7 HT5 KS3 Year 7 HT4 KS3 Year 7 HT4</p> <p>LINKS TO THE KEY THEME - Careers in maths. A Levels/apprentishps linked to maths. Angles/pythag etc applications in construction, design, engineering careers.</p>	<p>CURRICULUM CONTENT - Fractions and percentages. Ratio and proportion Perimeter and Area. Circles Volume of Cylinders, Cones and Spheres Accuracy and Bounds</p> <p>PRIOR/NEW LEARNING - KS3 year 8 HT1 KS3 year 8 HT2 KS3 year 7 HT4 KS3 Year 7 HT5 KS3 year 8 HT4 KS3 Year 7 HT1.</p> <p>LINKS TO THE KEY THEME - Use of stats in the media. %, fractions, accuracy in the figures media report to generate a headline.</p>	<p>CURRICULUM CONTENT - Perimeter and Area. Circles. Volume of Cylinders, Cones and Spheres. Accuracy and Bounds</p> <p>PRIOR/NEW LEARNING - KS3 year 7 HT4 KS3 Year 7 HT5 KS3 year 8 HT4 KS3 Year 7 HT1</p> <p>LINKS TO THE KEY THEME - other countries numbering systems, currency conversion</p>	<p>CURRICULUM CONTENT - Perimeter and Area. Circles. Volume of Cylinders, Cones and Spheres. Accuracy and Bounds. Solving quadratics Simultaneous equations. Inequalities</p> <p>PRIOR/NEW LEARNING - KS3 year 7 HT4 KS3 Year 7 HT5 KS3 year 8 HT4 KS3 Year 7 HT1 KS3 year 8 HT3 KS3 year 8 HT3 KS3 Year 7 HT3</p>	<p>CURRICULUM CONTENT - Real-life graphs. Linear Quadratics, Cubic and other graphs. Coordinate Geometry</p> <p>PRIOR/NEW LEARNING - KS3 year 8 HT3 KS3 Year 7 HT6</p> <p>LINKS TO THE KEY THEME – work focussed on GCSE Content</p>