

KS3 Maths

Course Outline for Key Stage 3:

Students will appreciate the use of Maths in the real world and realise the value of number sense. The aim is to ensure the understanding and mastering of the foundations of this subject, to go on to develop them when they continue their studies at KS4. The curriculum focuses on the key elements of Mathematics; Number, Algebra, Shape and Data Handling and re-visits these areas across the year.

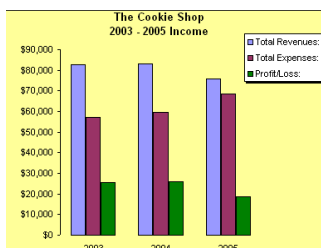
Throughout the key stage the aim is that students develop fluency in the skills taught as well as be able to reason mathematically and problem solve.

See the table below for the topics studied.

	Year 7	Year 8	Year 9
Number	Arithmetic of number, Place value, Fractions, Decimals, Percentages	HCF and LCM, Fractions, Percentages, Ratio, Negative numbers, Rounding and Estimation	Indices, Standard form, Fractions, Percentages, Ratio and Proportion, Rounding
Data Handling	Using Charts, Mode and Mean to compare data sets	Using Averages and Range to compare data sets, Venn diagrams, Frequency Trees and Tables	Probability, Averages from Frequency tables, Scatter diagrams
Shape	Angles, Units, Perimeter, Area, Properties of shape including Symmetry	Extend knowledge of 2D shapes to Circles and Composite shapes, Prism Volumes, Compound measures, Constructions, Parallel lines	Polygons, Volume, Surface Area, Transformations, Pythagoras, Trigonometry
Algebra	Introduction of using letters in Maths and how they can be used to solve problems	Form and Solve linear equations, Inequalities, Sequences and Nth term	Straight Line Graphs, Quadratics, Formulae

How parents/carers can help:

- Encourage your child to practice basic maths skills such as multiplication tables
- Ensure that your child can access the learning by having the correct equipment (Pen, pencil, ruler, scientific calculator, protractor and compass)
- Make sure your child spends quality time on their homework
- Encourage students to use our online learning platforms regularly



Assessment and feedback:

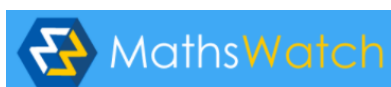
In year 7 and 8 students will receive regular short tests assessing recent learning objectives covered in lessons.

In year 9 students will complete an assessment towards the end of every half term on content covered. Following assessments students will complete appropriate recovery work to support their progress.

All students will also complete regular knowledge checks assessing all previous knowledge to ensure students are retaining what they have learnt across the key stage.



MyMaths.co.uk



Points of contact:

Your child's Mathematics teacher

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