

Key Stage 3 Overview for Mathematics 2018-19

Year 7

Autumn Term

Mental & written strategies. Addition, subtraction, multiplication & division of integers & decimals.

Spring Term

Angle facts. Properties of triangles & quadrilaterals. Fractions & decimals. Multiplication & division of fractions.

Summer Term

Order of operations. Introduction to algebra. Sequences. Statistical diagrams. Fractions, decimals & percentages.

Year 8

Autumn Term

Factors, multiples, primes, squares & cubes. Addition & subtraction of fractions. Negative numbers. Linear equations. Sequences.

Spring Term

Construct triangles & quadrilateral. Calculate angles. Area & perimeter. Percentage calculations. Ratio. Speed, distance, time.

Summer Term

Estimation. Circles. 3-D shapes. Interpret statistical data. Averages.

Year 9

Autumn Term

Co-ordinates & linear graphs. Proportion. Standard form. Sequences. Expand & factorise. Change the subject of a formula.

Spring Term

Construction & loci. Congruence & similarity. Pythagoras' theorem. Angles in polygons. Equations & inequalities. Graphs.

Summer Term

Probability. Mean of grouped data. Scatter graphs. Transformations. Trigonometry.

Curriculum

All students follow the Maths Mastery curriculum plan. The belief that every child can succeed in mathematics regardless of background is fundamental. Students are supported and challenged to develop a depth of understanding enabling them to be independent learners and have the confidence to apply their knowledge and skills to solving problems in context.

Assessment

All students are tested each half term using the Maths Mastery pre and post-tests.

External GL tests are sat at the beginning of year 7 and the end of years 7, 8 & 9.