

Maths - KS3

Vision

Our Mathematics Curriculum is designed to ensure that Meadowhead students:

- Develop fluent, independent use of mathematical skills to solve problems
- build confidence and fluency in mathematical skills and to make connections between different strands
- Build on previously learnt knowledge to recap and stretch understanding and apply known skills in new ways

Since the beginning of recorded history, mathematic discovery has been at the forefront of every civilized society, and in use in even the most primitive of cultures. The needs of mathematics arose based on the wants of society. The more complex a society, the more complex the mathematical needs. Today, Mathematics is part of everything we do and as such, it is a vital life skill for students leaving school.

Key stage 3 (7-9)

	Year 7	Year 8	Year 9
Term 1	HT1 Topic 1: Types of Number Topic 2: BIDMAS Topic 3: Place Value and Rounding Topic 4: All 4 Calculations Topic 5: Probability HT2 Topic 6: Time Topic 7: Negative numbers Topic 8: Algebra essentials	Topic 1: Types of Numbers and Indices Topic 2: Rounding and Estimating Topic 3: Fractions 2 Topic 4: 3D Shapes Topic 5: Solving Equations 2 Topic 6: Averages	Topic 1: Indices and standard form Topic 2: Algebraic Manipulation Topic 3: Constructions and Loci Topic 4: Solving linear equations 3 Topic 5: Percentages 3 Topic 6: Subject of a formula Topic 7: Sequences 2
Assessment	<i>All topics from term 1</i>	<i>All topics from term 1</i>	<i>All topics from term 1</i>
Term 2:	HT3 Topic 9: Fractions 1 Topic 10: Working with units Topic 11: Solving Equations 1	Topic 7: Area and Perimeter 2 Topic 8: Negative Numbers 2	Topic 8: Inequalities Topic 9: Probability of Multiple Events

	Year 7	Year 8	Year 9
	HT4 Topic 12: Percentages 1 Topic 13: Construction and classifying 2D shapes	Topic 9: Angles 2 Topic 10: Circles Topic 11: Symmetry and Tessellation	Topic 9: Probability of Single Events Topic 10: Rates of change Topic 11: Linear and conversion graphs
Assessment	<i>All topics covered from term 1&2</i>	<i>All topics covered from term 1&2</i>	<i>All topics covered from term 1&2</i>
Term 3:	HT5 Topic 14: Area and Perimeter 1 Topic 15: Ratio 1 HT6 Topic 16: Angles 1 Topic 17: Handling data 1	Topic 12: Sequences 1 Topic 13: Percentages 2 Topic 14: Volume and Surface Area Topic 15: Handling Data 2	Topic 12: Transformations Topic 13: Ratio 2 Topic 14: Quadratic functions Topic 15: Distance time graphs