

# 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.

*Please click the hyperlinks to access the knowledge organisers*

## Key stage 3 (7-9)

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

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