Ambitious aspirations,
Challenging the impossible,
Encouraging independence for all!

Mathematics Curriculum Overview - 2024-2025

Class Group	Intent/ Rationale	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
3cc	Students in 3CC require strengthening of basic skills to enable them to progress. Their scheme is designed to strengthen and extend understanding of topics essential to their mathematical journey. One lesson every week is dedicated to problem solving and re-visiting topics previously taught to strengthen understanding and grow confidence.	• Baseline • Place Value • Addition and Subtraction	• Length and Perimeter • Multiplication and Division	• Multiplication and Division • Area	• Fractions • Decimals	• Decimals • Money • Time	• Statistics • Properties of Shape • Position and Direction
1c	Students Joining High Point Academy in year 7 will experience a curriculum designed to strengthen and extend their existing knowledge while addressing any gaps or misconceptions they may have. A fundamental grasp of basic mathematical concepts is essential to every student's academic and personal growth and self-worth. Hence the curriculum is sequenced to ensure every child is given the tools they need to succeed. One lesson every week is dedicated to problem solving and re-visiting topics previously taught to strengthen understanding and grow confidence.	• Baseline • Fluency Bee • Place Value • Addition and Subtraction • 1 and 2 digit	Multiplication and Division	• Length and perimeter • Area	• Money • Time	• Decimals • Fractions	• Statistics • Properties of Shape • Position and Direction
2c	Students in 2C have gained an understanding of specific basic mathematical principles and show confidence and aptitude. Topics are sequenced to help strengthen this basic knowledge and then begin to extend it into other areas of mathematics with increasing real-world application and relevance. One lesson every week	• Base Line • Place Value • Ordering Addition, subtraction	• Multiplication and Division • Perimeter and Area	• Multiplication and Division • Fractions	• Fractions (cont) • Decimals and Percentages	• Decimals • Properties of Shape	• Position and Direction • Converting units • Volume

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HIGH POINT ACADEMY

Mathematics Curriculum Overview - 2024-2025

	is dedicated to problem solving and re-visiting topics previously taught to strengthen understanding and grow confidence.						
3c	Students in 3C have gained an understanding of specific basic mathematical principles and insight into some real-world application of mathematics. The curriculum is sequenced to drive forward students understanding of higher order mathematical techniques and logic-based application. One lesson every week is dedicated to problem solving and re-visiting topics previously taught to strengthen understanding and grow confidence.	• Baseline • Place Value Ordering Sequences Ratio and scale	• Place value, ordering integers and decimals • Fraction, decimal and percentage equivalence	• Solving problems with addition and subtraction • Solving problems with multiplication and division • Fraction and percentages of amount	• Operations and equations with directed number • Addition and subtraction of fractions	• Constructing, measuring and using geometric notation • Developing geometric reasoning • Developing number sense	• Sets and probability • Prime numbers and proof
	By the end of KS3						
	Students will have studied a wide range of mathematical topics ranging from algebra, statistics, shape, space and measure and number. They will have a rich understanding of key mathematical principles and how Maths relates to the real world. They will be competent in their ability to tackle real world problems using key mathematical concepts.						
4c	Students in year 10 will be completing their entry level qualification this year. They will also be developing their understanding of increasingly complex mathematical concepts and applying them to problem solving and real-life examples. Interleaving of key mathematical concepts and previously taught topics will be covered at the start of every lesson.	• Baseline • Number • Number • Roman Numerals • Mean, Mode, Range	• Working in the cartesian • Representing data • Tables and probability	• **OCR initial – Entry Level** • Brackets, equations and inequalities	• **OCR practical - Entry Level** • Fractions and	• **OCR Final - Entry Level** • Angles in parallel lines and polygons	• The data handling cycle • Measures of location • Consolidation

Mathematics Curriculum Overview - 2024-2025

		• Calculations and integers • Whole numbers, odd, even, prime, square, cube, root. • Introduction to Entry level		• Sequences • Indices	Percentages • Standard index form • Number sense	• Area of Trapezia and circles • Line symmetry and reflection		
5c	Students will have the opportunity to sit several practice GCSE exam papers and discuss worked solutions and exam technique. Will attempt to build on entry level2/3 qualifications from previous year.	• Place Value • Number • Representing data • Calculations and integers • Whole numbers, odd, even, prime, square, cube, root. • • Roman Numerals	• Three dimensional shapes • Constructions and congruency	• Numbers • Using percentages • Maths and Money	• Geometry - deduction • Rotation and Translation • Pythagoras • **Revision**	• **Revision** • **GCSE's**	• **Revision** • **GCSE's**	

By the end of KS4

Students will have secured entry level Maths and GCSE Maths qualifications. They will be equipped with necessary key mathematical skills to enable them to succeed in their lives beyond High Point Academy.