

# Long Term Plan: Maths



Key to Pathways:

Inspire	Explore	Nurture	Thrive	Specialist Provision	College
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Key Stage 3	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
<b>Key Stage 3</b>						
<b>Explore, Inspire, Nurture Pathway</b>						
<b>Inspire Pathway</b>	Number and Place Value Addition and Subtraction Money 2D Shapes Time	Number and Place Value Counting and sequencing Multiplication and Division Fractions Length/height	Number and Place Value Addition and Subtraction Money 3d shapes Position and direction	Number and Place Value Multiplication and Division Counting and sequencing Fractions Mass and weight	Number and Place Value Addition and Subtraction 2D Shapes Handling data	Number and Place Value Multiplication and Division Counting and sequencing Capacity
<b>Explore &amp; Nurture Pathway</b>	Number and Place Value Addition and Subtraction Money 2D Shapes Time	Number and Place Value Multiplication and Division 3d shapes Movement	Number and Place Value Addition and Subtraction Money Mass/Weight	Number and Place Value Multiplication and Division Length/height	Number and Place Value Addition and Subtraction Capacity Money	Number and Place Value Multiplication and Division Handling data

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Key Stage 4	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
<b>Key Stage 4 Inspire Pathway GCSE (*taught alongside Level 1 Edexcel )</b>						
<b>Year 10</b>	Number Properties Algebra Order of Operations	Shape 2D shape 3D shape Types of shapes Types of triangles Angles Circles	Number Fractions Decimals Percentages Ratio	Shape Pythagoras Missing Value  Number Linear equations  Data Handling Scatter graphs and correlation Block graphs Pie charts	Sequences and rules Linear equations Ratio Probability	Number Missing values Sequences Special number  Probability Venn diagrams
<b>Year 11</b>	Number Missing values Sequences Special number  Probability Venn diagrams	Number Properties Algebra Order of Operations	Shape Pythagoras Missing values  Number Linear equations  Data handling Scatter graphs and correlation Block graphs Averages	Fractions Decimals – understanding place value Percentages Percentage of amount Conversion	Types of charts Averages Probabilities	RME module
<b>Edexcel Level 1 Number and Measure</b>						
<b>Year 10 and (11* resits)</b>	Number Calculations and properties of number	Number Negative number decimal notation and calculations	Measure Telling the time, tables and charts	Number Fraction, decimals	Number Percentages, decimals, fractions  Measure Perimeter, area, volume	Measure Units of measure, adding and subtracting units of measure, convert units of measure, read scales
<b>Entry Level Certificate in Maths (Entry levels 3 R449)</b>						
	Number Calculations with whole numbers	Number Simple Fractions	Space, Shape and Measure Decimal in money and length	Space, Shape and Measure Red and measure time, distance, weight, capacity, length and temperature	Data Handling Extract and interpret data	Space Shape and Measure Understand the properties and perimeters of regular shapes and compass

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						directions (Entry level 3 pass)
<b>Entry Level OCR Certificate in Maths (Entry Level 1 and Entry Level 3 Functional Maths)</b>						
	<p><b>Number</b> To be able to add and subtract with three digit numbers</p> <p>To be able to solve practical problems involving multiplication and division by 2, 3, 4, 5 and 10</p> <p><b>Shape</b> To be able to recognize and name simple 2D and 3D shapes and their properties</p>	<p><b>Number</b> To be able to round to the nearest 10 or 100</p> <p>Simple fractions</p> <p><b>Measure</b> To be able to understand, estimate, measure and compare length</p>	<p><b>Number</b> To be able to understand decimals to two decimal places in practical contexts</p> <p><b>Measure</b> To be able to understand, estimate, measure and compare weight</p>	<p><b>Number</b> To be able to recognise and describe number patterns</p>	<p><b>Measure</b> To be able to understand, estimate, measure and compare capacity and temperature, money</p>	<p><b>Data Handling</b></p>
<b>Key Stage Explore/Nurture Pathway</b>						
<b>Entry Level OCR Certificate in Maths (Entry Level 1 and Entry Level 2)</b>						
	<p><b>Number</b> Number from 0-10</p>	<p><b>Number</b> Add and subtract whole numbers</p>	<p><b>Space Shape and Measure</b> Money and Time</p>	<p><b>Space, Shape and Measure</b> Understand common and regular shapes and positional vocabulary</p>	<p><b>Space Shape and Measure</b> Compare and order items by measurement</p>	<p><b>Data handling</b></p>
	<p><b>Number</b> Add, Subtract and Multiply</p>	<p><b>Space, Shape and Measure</b> Understand common regular shapes and positional vocabulary (Entry Level 1 pass)</p>	<p><b>Space, Shape and Measure</b> Time and date formats and simple money calculations</p>			
<b>Entry Level OCR Certificate in Maths (Entry Level 1 &amp; Entry Level 2 Functional Maths)</b>						
<b>Year 10/11</b>	<p><b>Number</b> Understand and use numbers with one significant figure in practical contexts</p> <p><b>Shape</b> Describe the properties of size and measure, including length, width, height and</p>	<p><b>Shape</b> Recognise and name common 2D and 3D shapes</p>	<p><b>Number</b> Money</p> <p><b>Number</b> Understand and use numbers with one significant figure in practical contexts</p>	<p>Sorting and classifying</p>	<p><b>Number</b> Understand and use numbers with one significant figure in practical contexts</p>	<p>Assessment</p>

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	weight, and make simple comparisons Position					
<b>Specialist Provision – Pathway A: Transition Challenge</b> <b>Pathway B – Towards Independence and Entry level functional Maths</b>						
<b>Year 10 and 11 (2 year accreditation)</b>	Number	Time	Space, Shape and Measure	Position, Pattern, Sorting	Work related learning	
<b>Pathway A Introduction and Progression</b>	Choose something you would like to buy and use money to pay for it Fins a friend or special persons birthday and buy a gift	Show that you are aware of daily events	Show you can use kitchen measures	Lay the table for a group of people for an event		
<b>Pathway B – Developing Number skills</b>	Number Section A: Entertaining	Handling Data Pet Survey	Space, Shape and Measure Section D: Sport and Leisure	Position, pattern, sorting Section G: visiting a cafe	Handling Data Section M: Transport Survey	Time Section J: Using a clock

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<b>Nurture Pathway</b>	
<b>KS3 and KS4</b>	The English curriculum is tailored to reflect the ability of the group and the individual needs of the pupils. Teachers will follow the appropriate Schemes of Work, for example, pupils will follow the Inspire or Explore Schemes of Work if appropriate for their ability. The curriculum will also take account of individual pupils' SaLT targets.
<b>Thrive Pathway</b>	
<b>KS3 and KS4</b>	The Thrive Pathway has a bespoke curriculum which focuses on the development of pupils' communication needs and promoting independence. Please refer to the Thrive Long Term Plan for a full overview of themes covered.
<b>Specialist Provision</b>	
<b>KS3 and KS4</b>	Specialist Provision has a bespoke curriculum which focuses on the development of pupils' communication needs and promoting independence. The curriculum is tailored to reflect the interests and ability of the group and the needs of individual pupils. Please refer to the SP Long Term Plan for a full overview of themes covered. KS3 – pupils follow the Explore or Thrive Pathway with a focus on key skills to support the developmental needs of our pupils with ASD. KS4 – pupils continue to develop their skills in Maths through ASDAN accreditation called 'Transition Challenge', which is a SEND programme of study designed for ages 14-16 and offers a learner-centred, activity-based curriculum which reflects the needs and interests of our pupils. KS5 – students focus on ASDAN accreditation called 'Working Towards Independence'. Through this, students continue to develop their skills in Maths with a particular focus on communication and sensory experiences.
<b>College Pathway</b>	
<b>Year 12</b>	<u>Inspire Pathway :</u> In Year 12, students have the opportunity to work towards further qualifications, e.g. Functional Skills in Maths at Entry Level 3/Level 1. Students continue to develop their skills in through the Open Award courses we teach which focus on 'Employability'. The primary purpose of this qualification is to provide our students with the skills they need to become successful employees and to help them overcome barriers to entering the workplace. <u>Explore &amp; Thrive Pathway:</u> Students follow a bespoke timetable with a focus on applied learning. They continue to develop key skills through the different college lessons they access. Students will also continue to work towards, and develop their skills functionally in the community, e.g. shops, cafes, public transport. Please refer to the College long term plan for a full overview of the programme of study.