

Maths at Woodlands - Specific Pathways

Key Stage Four - Qualification Pathways

Year 11	Entry Level 2	Entry Level 3	Functional Skills 1	GCSE (1-4)	GCSE (5-9)
Content	<ul style="list-style-type: none"> Count, read, write, and order numbers to 100. Add and subtract one- and two-digit numbers. Use halves and quarters. Mathematic names for common 2D shapes. Recognise and use geometric features of 3D shapes. Measure using common standard units. Use bar charts, pictograms, simple tables, and data collection sheets. 	<ul style="list-style-type: none"> Count, round, read, write, and order numbers to 1000. Simple fraction equivalents & fractions of amounts. Recognise decimal notation inc. money and measure. Multiplication to 5 (as well as 10). Add and subtract up to 3-digit numbers. Multiply two digits by a single digit. Mathematical names for additional 2D and 3D shapes Find area and perimeter and use quadrants. Identify angles and measure using protractor. Collect, record, read and interpret data. 	<ul style="list-style-type: none"> Read, write, order, write and compare one million including positive and negative numbers. Read, write, order, add and subtract and compare with decimals. Calculate decimals, percentages, and fractions. Interpret plans, evaluations, and nets of 3D shapes. Understand and use probability. Represent discrete data in tables, diagrams, and chart (inc. pie charts). Analyse & interpret answers in the context of original problem. 	<ul style="list-style-type: none"> Positive and negative integers Calculating roots and indices Fractions, decimals and percentages for ratio and probability problems Apply and interpret limits of accuracy. Simplify and manipulate algebraic expressions. Expand products. Understand and use mathematical formulae. Work with co-ordinated in all 4 quadrants Solve linear equations. Recognise sequences including nth term and quadratic sequences. Work with proportion and rates of change Use conventional terms and notation within properties and constructions of shapes. Analyse frequency of outcomes of probability Infer properties of populations or distributions 	<ul style="list-style-type: none"> Apply systematic listing strategies. Calculate exactly with fractions and surds. Calculate and interpret standard form. Interchange between decimals and fractions Work with upper and lower bounds Factorise quadratic expressions. Simplify and manipulate algebraic expressions including algebraic fractions. Plot equations and perpendicular lines Recognise and interpret exponential functions. Recognise and use equations of circles. Find approximate solutions to equations. Deduce expressions and sequence including quadratic sequences. Apply, improve the standard circle theorems. Use trigonometry. Use Venn diagrams with probability. Use quartiles and inter-quartile range
Year 10	Entry Level 1	Entry Level 2	Entry Level 3		
Content	<ul style="list-style-type: none"> Count, read, write, and order numbers to 10. Describe simple 2D and 3D shapes. Describe position and turns. Copy, continue and make patterns. Compare objects using simple language (longer, shorter etc). Use simple measuring instruments. Sort and classify objects. 	<ul style="list-style-type: none"> Count, read, write, and order numbers to 100. Add and subtract one- and two-digit number. Use halves and quarters. Mathematic names for common 2D shapes. Recognise and use geometric features of 3D shapes. Measure using common standard units. Use bar charts, pictograms, simple tables, and data collection sheets. 	<ul style="list-style-type: none"> Count, round, read, write, and order numbers to 1000. Simple fraction equivalents & fractions of amounts. Recognise decimal notation inc. money and measure. Multiplication to 5 (as well as 10). Add and subtract up to 3-digit numbers. Multiply two digits by a single digit. Mathematical names for additional 2D and 3D shapes Find area and perimeter and use quadrants. Identify angles and measure using protractor. Collect, record, read and interpret data. 		

Adapted Curriculum (Key Stage 1 - 3)

Stage	Pathway 1 (Yellow)	Pathway 2 (Orange)	Pathway 3 (Blue)	Pathway 4 (Purple)	Common Topics
Stage 9					<ul style="list-style-type: none"> Financial Maths Forming and solving equations Algebraic representation Solving ratio and proportion problems Constructions and congruence Pythagoras Enlargement, similarity, rotation, and translation
Stage 8					<ul style="list-style-type: none"> Multiplying and dividing fractions Indices and sequences including nth term. Standard index form Brackets and inequalities Multiplicative change Working in the cartesian plan Area of polygons Representing data and measures of location.
Stage 7					<ul style="list-style-type: none"> Sequences (linear and rules) Fraction, percentage, decimal equivalence Solving problems with four operations. Using geometric notation Sets and probability. Equality and equivalence Highest common factor & lowest common multiple
Stage 6					<ul style="list-style-type: none"> Positive and negative numbers to 10,000,000 4 operations - fractions, percentages, & decimals Ratio and proportion Area, perimeter, and volume. Angles in any shape and 3D nets Position in four quadrants The means and pie charts
Stage 5					<ul style="list-style-type: none"> Factors and multiples Multiplication and division with four digits Decimals and percentages Rounding Polygons and compound shapes Converting with units Angles around a point, reflection, and translation Read, create, and interpret tables and graphs.
Stage 4					<ul style="list-style-type: none"> Add and subtract with four digits. Four operations with fractions Area and perimeter Working with decimals. Time with 24 hour and 12-hour clock Work with 2D and 3D shapes and properties. Compare and order angles. Tables, charts, and graphs with statistics.
Stage 3					<ul style="list-style-type: none"> Add and subtract to three-digit numbers. Multiply 2s, 4s and 8s. Add & subtract fractions. Add & subtract in l, ml, g, kg, m, cm, and mm. Four operations with money and time Statistics with graph's and two wat tables
Stage 2					<ul style="list-style-type: none"> Number bonds to 10 for addition and subtraction. Work with 2s, 5s, and 10s timetables. Use simple fractions. Measure length, height, mass, & capacity. Faces, edges, vertices of 3D shapes. Tell the time to 5 minutes. Use tallies, block diagrams, tables, and pictograms
Stage 1					<ul style="list-style-type: none"> Place value to 100 Addition and subtraction to 10 Recognise 2D and 3D shapes. Use vocabulary for length, height, mass, & volume. Recognise coins and notes.
Engagement Model	<ul style="list-style-type: none"> Numbers and shapes in the community. Simple timetables. Number rhymes and patterns. 				