

Year 10 FOUNDATION Maths Curriculum Map 2022

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Content: What will students know	Integers and place value Decimals Indices, powers and roots Factors, multiples and primes	Algebra: the basics Expressions and substitution into formulae	Tables, charts and graphs Pie charts Scatter graphs Fractions, decimals and percentages	Percentages Equations and inequalities Sequences	Properties of shapes, parallel lines and angle facts Interior and exterior angles of polygons Statistics, sampling and the averages Perimeter, area and volume	Real-life graphs Straight-line graphs Transformations
Skills: What will students be able to do	Construct and present mathematical arguments through appropriate use of diagrams; sketching graphs; logical deduction; precise statements involving correct use of symbols and connecting language, including: constant, coefficient, expression, equation, function, identity, index, term, variable.					
Other: Literacy/Numeracy/ Ethos	Further Mathematical vocabulary is introduced and assessed through the year					
Assessment:	Half-termly test	Half-termly test	Half-termly test	Half-termly test	EOY exam	Half-termly test

Year 10 HIGHER Maths Curriculum Map 2022

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Content: What will students know	Calculations, checking and rounding Indices, roots, reciprocals and hierarchy of operations Factors, multiples, primes, standard form and surds Algebra: the basics, setting up, rearranging and solving equations	Sequences Averages and range Representing and interpreting data and scatter graphs Fractions and percentages	Ratio and proportion Polygons, angles and parallel lines Pythagoras' Theorem and trigonometry Graphs: the basics and real-life graphs	Linear graphs and coordinate geometry Quadratic, cubic and other graphs Perimeter, area and circles 3D forms and volume, cylinders, cones and spheres	Accuracy and bounds Transformations Constructions, loci and bearings Solving quadratic and simultaneous equations	Inequalities Probability Multiplicative reasoning Similarity and congruence in 2D and 3D
Skills: What will students be able to do	Construct and present mathematical arguments through appropriate use of diagrams; sketching graphs; logical deduction; precise statements involving correct use of symbols and connecting language, including: constant, coefficient, expression, equation, function, identity, index, term, variable.					
Other: Literacy/Numeracy/ Ethos	Further Mathematical vocabulary is introduced and assessed through the year					
Assessment:	Half-termly test	Half-termly test	Half-termly test	Half-termly test	EOY exam	Half-termly test