

Year 10 Foundation	Term 1	Term 2	Term 3
<b>Unit</b> (Tablet in 39 week plan)	Measures and Statistical Measures Indices and Standard Form Probability Constructions and Loci Congruence and similarity	Perimeter, circumference and area Pythagoras Trigonometry Volume	Real Life graphs Algebra, Identities, quadratics and rearranging Inequalities Graphs Ratio and Proportion
<b>Key Retainable Knowledge</b> (Required for Y11/13) <ul style="list-style-type: none"> <li>What... How.... Why....</li> </ul>	All tested at GCSE Mastery from KS2 and KS3 and contextualised for examinations in KS4	All tested at GCSE Mastery from KS2 and KS3 and contextualised for examinations in KS4	All tested at GCSE Mastery from KS2 and KS3 and contextualised for examinations in KS4
<b>Key Technical Vocabulary</b> (To be modelled and deliberately practiced in context.)	Imperial, Metric, unit, conversion, capacity, mass, speed, density, force, pressure. Index, base, fractional, negative, standard form, ordinary, irrational, rational, simplify Likelihood, probability line, expectation, mutually exclusive, proportion, probability trees, AND, OR, dependant, independent Perpendicular, angle, bisector, loci, locus, around a point Congruent, similar, scale factor, position	Measure, pi, radius, diameter, chords, tangent, segment, sector, degrees Hypotenuse, adjacent, opposite, right angle, square, square root Sine, cosine, tangent, inverse, multi-step Volume unit of measure, prism, area, cross section, capacity	Speed, distance, time, conversion, rate of change, Solve, expression, equation, identity, coefficient, term, rearrange, form, variable, constant. Roots, factorise, quadratic, linear and constant, rearrange. Inequality, integer, solve, represent inclusive. Linear, gradient, quadratic, cubic and reciprocal Ratio, proportion, fractions, decimals and percentages Best Value.
<b>Opportunities for Reading</b>	Contextualised examination questions Hegarty maths website questions CBBC Bitesize	Contextualised examination questions Hegarty maths website questions CBBC Bitesize	Contextualised examination questions Hegarty maths website questions CBBC Bitesize
<b>Developing Cultural Capital</b> (exposure to very best-essential knowledge and skills of educated citizens – appreciation of human creativity and achievement.)	Contextualised questions, regular problem solving activities and active learning tasks	Contextualised questions, regular problem solving activities and active learning tasks	Contextualised questions, regular problem solving activities and active learning tasks
<b>Cross Curricular Links</b> (Authentic Connections)	STEM activities across the school with science, humanities and design technology	STEM activities across the school with science, humanities and design technology	STEM activities across the school with science, humanities and design technology
<b>Key Assessment</b>	Topic tests to assess key knowledge Learning cycle half-termly testing	Topic tests to assess key knowledge Learning cycle half-termly testing	Topic tests to assess key knowledge Learning cycle half-termly testing

Curriculum Sequencing Grid: Maths Year 10

Year 10 Higher	Term 1	Term 2	Term 3
<b>Unit</b> (Tablet in 39 week plan)	Calculating with percentages and measures Statistical measures Algebra Simultaneous Equations Inequalities Construction and Loci Congruence and similarity	Measures and Probability Trigonometry and equation of a circle Proportion growth and decay	Algebra and graphs Functions Algebraic fractions Volume Vectors
<b>Key Retainable Knowledge</b> (Required for Y11/13) <ul style="list-style-type: none"> <li>What... How.... Why....</li> </ul>	All tested at GCSE Mastery from KS2 and KS3 and contextualised for examinations in KS4	All tested at GCSE Mastery from KS2 and KS3 and contextualised for examinations in KS4	All tested at GCSE Mastery from KS2 and KS3 and contextualised for examinations in KS4
<b>Key Technical Vocabulary</b> (To be modelled and deliberately practiced in context.)	Percentage, scale factor, depreciation, appreciated, growth, decay, reverse, compound, simple Samples, spread, averages, cumulative frequency, quartiles, outliers Linear graphs, quadratic graphs, roots, compound measures Sketching graphs Simultaneous equation, solve, approximate solutions Solve inequalities, graph, number line Bisectors, construct, compass, perpendicular, loci, locus, line segment Congruent, sides, angles, similar, ratio, scale factor	Ratio, proportion, fractions, decimals and percentages Theoretical and experimental probability, sample space, product rule, Venn diagrams, tree diagrams, conditional and independent probabilities Sine, cosine, tangent, inverse functions, exact values, ratio, equation of a circle Decay, depreciation, growth, appreciation, percentage change, direct and indirect proportion reverse percentage, exponential, inverse proportion Solve equations, quadratic equation, complete the square, roots, translation, transformation, turning point, minimum, maximum	Solve, linear, quadratic, roots, turning points, intercept, gradient, transformation Function, inverse, composite, solve Algebraic fractions, solve, cross multiply, simply, factorise, cancel
<b>Opportunities for Reading</b>	Contextualised examination questions Hegarty maths website questions CBBC Bitesize	Contextualised examination questions Hegarty maths website questions CBBC Bitesize	Contextualised examination questions Hegarty maths website questions CBBC Bitesize
<b>Developing Cultural Capital</b> (exposure to very best-essential knowledge and skills of educated citizens – appreciation of human creativity and achievement.)	Contextualised questions, regular problem solving activities and active learning tasks	Contextualised questions, regular problem solving activities and active learning tasks	Contextualised questions, regular problem solving activities and active learning tasks
<b>Cross Curricular Links</b> (Authentic Connections)	STEM activities across the school with science, humanities and design technology	STEM activities across the school with science, humanities and design technology	STEM activities across the school with science, humanities and design technology
<b>Key Assessment</b>	Topic tests to assess key knowledge Learning cycle half-termly testing	Topic tests to assess key knowledge Learning cycle half-termly testing	Topic tests to assess key knowledge Learning cycle half-termly testing