



Year 10 Foundation Maths Curriculum

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	Securing Number and Angles in Circles		Numerical representations, equations and inequalities		Proportion and rate of change, functions and graphs, probability and sequences	
Knowledge Covered	Securing number <ul style="list-style-type: none"> • Four rules • Power Notation • Roots • Types of number • HCF and LCM • Rounding and truncation • Error interval 	Angles and circles <ul style="list-style-type: none"> • Geometric notation • Angles problems • Angles in polygons • Angles in parallel lines • Area and circumference of circles • Sectors and arcs • Bearings 	Numerical Representations <ul style="list-style-type: none"> • Working with fractions • Percentages • Percentage increase and decrease • Multipliers • Reverse percentages • Simple interest 	Equations and inequalities <ul style="list-style-type: none"> • Collecting like terms • Expand and simplify brackets • Factorise • Working with quadratics • Solving quadratics • Solving inequalities • Solving double inequalities 	Proportion and rate of change <ul style="list-style-type: none"> • Scale factors and maps • Direct proportion • Growth and decay • Compound interest Functions and graphs <ul style="list-style-type: none"> • Coordinates • $Y=mx+c$ • Equation between 2 points • Different types of graphs • Solving quadratics using graphs • Distance time graphs 	Probability <ul style="list-style-type: none"> • Types of sequences • Sample space • Two-way tables • Set notation • Tree diagrams Sequences <ul style="list-style-type: none"> • Types of sequences • Nth term and generating sequences
Online Resources	Hegarty Maths BBC bitesize					



Year 10 Higher Maths Curriculum

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	Circles and Angles, Probability and Expressions, Equations and Inequalities		Expressions, equations and inequalities, functions and graphs and numerical representations		Shape and measure and analysing data	
Knowledge Covered	<p>Circle and Angles</p> <ul style="list-style-type: none"> • Angle rules • Angles on parallel lines • Area of circles and sectors • Volume and surface area of cylinders • Measure and draw bearings • Working with circle theorems <p>Probability</p> <ul style="list-style-type: none"> • Two way tables • Tree diagrams • Venn diagrams • Set theory 	<p>Expressions, equations and inequalities</p> <ul style="list-style-type: none"> • Substitution • Factorising • Expanding quadratics • Factorising quadratics • Algebraic fractions • Set up and solve equations • Solve simultaneous equations 	<p>Functions and graphs</p> <ul style="list-style-type: none"> • Rearranging formulae • Function notation • Straight line graphs • Parallel and perpendicular lines • Inequalities regions 	<p>Numerical representations</p> <ul style="list-style-type: none"> • Four rules with FDP • Prime factorisation • HCF and LCM • Bounds 	<p>Shape and Measure</p> <ul style="list-style-type: none"> • Plans and elevations • Pythagoras • Trigonometry • Area sine rule 	<p>Analysing data</p> <ul style="list-style-type: none"> • Averages from frequency tables • Averages from grouped frequency tables • Use averages and measures of spread to describe and compare data sets
Online Resources	Hegarty Maths BBC bitesize					



Year 11 Foundation Maths Curriculum

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	Adapted due to COVID constraints last year		Focus on exam technique and exam practice across the terms and addressing gaps from Assessment 1			Exams
Knowledge Covered	Number <ul style="list-style-type: none"> Working with four rules Working with fractions and mixed numbers Straight line graphs Construction <ul style="list-style-type: none"> Constructing angles and triangles 	Number <ul style="list-style-type: none"> Standard form Nth term Generating sequences Plans and elevations MOCK	Address gaps from Assessment 1. Focus on exam technique and exam practice for this term.			Exams

Year 11 Higher Maths Curriculum

Knowledge Covered	Algebra <ul style="list-style-type: none"> Factorising complex quadratics Algebraic fractions Constructions <ul style="list-style-type: none"> Constructions Loci Number <ul style="list-style-type: none"> Significant figures Bounds	Number <ul style="list-style-type: none"> Iteration Geometry <ul style="list-style-type: none"> Vectors MOCK	Address gaps from Assessment 1. Focus on exam technique and exam practice for this term			Exams
Online Resources	Hegarty Maths BBC bitesize					