

Curriculum Map - Mathematics - Year 7

	What is being learnt?	Remote learning links
Summer 1	<ul style="list-style-type: none"> • Concepts and vocabulary of numbers (prime numbers, factors, multiples) • Infer properties of populations from samples • Statistical charts and diagrams (including frequency tables, bar charts, pie charts, pictograms) • Statistical calculations (mean, median, mode, range) • Coordinates in four quadrants; plot straight line graphs; identify parallel and perpendicular lines; find the equation of a line through two points, or from the gradient and coordinates of one point. 	<p>Hegarty Maths</p> <p>Kerboodle text book</p>
Summer 2	<ul style="list-style-type: none"> • Generate terms of a sequence from a term-to-term or a position-to-term rule. • Identify and interpret gradients and intercepts of linear functions graphically and algebraically • Interpret the gradient of a straight line graph as a rate of change • Recognise and interpret graphs for direct and indirect proportion. 	<p>Hegarty Maths</p> <p>Kerboodle text book</p>

Curriculum Map Mathematics - Year 8

	What is being learnt?	Remote learning links
Summer 1	<ul style="list-style-type: none"> • Identify and interpret gradients and intercepts of linear functions graphically and algebraically • Interpret the gradient of a straight line graph as a rate of change • Construct and interpret plans and elevations of 3D shapes • Use and interpret scatter graphs of bivariate data • Know and apply the formula for Pythagoras' Theorem 	<p>Hegarty Maths</p> <p>Kerboodle text book</p>
Summer 2	<ul style="list-style-type: none"> • Calculate with and interpret standard form • Construct theoretical probability spaces and calculate theoretical probabilities • Generate terms of a sequence from a term-to-term or a position-to-term rule. • Use standard units of mass, time, money and other measures. • Solve problems involving direct and inverse proportion using algebra and graphs. 	<p>Hegarty Maths</p> <p>Kerboodle text book</p>

Curriculum Map - Mathematics - Year 9

	What is being learnt?	Remote learning links
Summer 1	<ul style="list-style-type: none">• Identify faces, surfaces and edges for 3D shapes• BIDMAS (order of operations)• Calculate exactly with fractions, surds and multiples of pi• Plot straight line graphs; understand $y = mx + c$; identify parallel and perpendicular lines; find the equations of straight lines.	Hegarty Maths Kerboodle text book
Summer 2	<ul style="list-style-type: none">• Interpret expressions as functions with inputs and outputs; interpret the reverse process as an inverse function; composite functions• Calculate with and interpret standard form• Understand and use proportion as equality of ratios• Calculate with percentages including percentage increase/decrease.• Use scale factors, scale diagrams and maps.	Hegarty Maths Kerboodle text book

Curriculum Map - Mathematics - Year 10

	What is being learnt?	Remote learning links
Summer 1	<ul style="list-style-type: none"> • Recognise, sketch and interpret graphs of linear, quadratic, cubic and reciprocal functions • Recognise and use the equation of a circle; find the equation of a tangent to a circle • Growth and decay problems (including compound interest) • Iterative processes • Constructions • Direct and inverse proportion (including graphical and algebraic interpretations) 	<p>Hegarty Maths</p> <p>Kerboodle text book</p>
Summer 2	<ul style="list-style-type: none"> • Inverse proportion calculations; interpret gradient of a graph as a rate of change; recognise and interpret graphs for direct and indirect proportion. • Properties of angles on straight lines, in polygons, and in parallel lines. • Congruence criteria for triangles (AAA, SAS, ASA, RHS); similar 3D shapes (compare length, area, volume). • Translation, rotation, reflection of shapes on a grid 	<p>Hegarty Maths</p> <p>Kerboodle text book</p>

Curriculum Map - Mathematics - Year 12

	What is being learnt?	Remote learning links
Summer	<ul style="list-style-type: none">Year 2 Chapters 1-5: Proof Trigonometry Sequences and Series Functions Differentiation	<p>https://2017.integralmaths.org/</p> <p>Moodle information: https://moodle.rainhammark.com/mod/resource/view.php?id=28314</p>

Curriculum Map – Further Mathematics - Year 12

	What is being learnt?	Remote learning links
Summer	<ul style="list-style-type: none">• Series and induction• Further calculus• Vectors• Matrices	https://2017.integralmaths.org/