Curriculum Map- Mathematics- Year 7

	What is being learnt?	Remote learning links
Spring 1	• Relative frequency, probability • Approximate calculations • Solve linear equations with unknowns on both sides • Circle definitions and properties	Hegarty Maths Kerboodle text book
Spring 2	• Circumference and area of a circle • Scale factors, scale diagrams and maps • Ratio notation and simplification • Divide a quantity in a given ratio • Percentages • Operations and their inverses	Hegarty Maths Kerboodle text book

Curriculum Map Mathematics- Year 8

	What is being learnt?	Remote learning links
Spring 1	• Solve quadratic equations by factorising. Find approximate solutions from a graph. • Solve two linear simultaneous equations algebraically and on a graph. • Derive an equation and interpret the solution • Theoretical probability spaces for single and combined events. • Calculate the probability of independent and dependent combined events; conditional probabilities.	Hegarty Maths Kerboodle text book
Spring 2	• Standard ruler and compass constructions • Loci and construction problems • Fractions and place value • Divide a number in a given ratio • Direct and inverse proportion (algebraically and graphically). • Percentages and percentage change.	Hegarty Maths Kerboodle text book

Curriculum Map- Mathematics- Year 9

	What is being learnt?	Remote learning links
Spring 1	• Plot straight line graphs; identify gradients • Solve linear inequalities • Areas and perimeters of 2D shapes including circles and compound shapes • Standard form	Hegarty Maths Kerboodle text book
Spring 2	• Approximation, estimation, degree of accuracy, error intervals due to truncation or rounding, bounds • Pythagoras' theorem for right-angled triangles • Tables, charts and diagrams to analyse statistical information. • Scatter graphs	Hegarty Maths Kerboodle text book

Curriculum Map- Mathematics- Year 10

	What is being learnt?	Remote learning links
Spring 1	• Properties of populations from a sample; statistical graphs, charts and diagrams; analyse grouped data • Pythagoras' theorem • Trigonometry of right-angled triangles • Sine and cosine rules; exact values of sine and cosine • Area of triangle using sine. • Vectors	Hegarty Maths Kerboodle text book
Spring 2	• Vectors • Area and perimeter of circles and compound shapes • Surface area and volume for single and composite solids • Enumerate sets and combinations of sets using Venn diagrams • Linear and quadratic sequences • Roots, intercepts and turning points of quadratic graphs	Hegarty Maths Kerboodle text book

Curriculum Map- Mathematics- Year 11

	What is being learnt?	Remote learning links
Spring 1	See Microsoft Teams for instructions from your teacher • Sets 2-4: Revision for each class directed by relative performance of topics in the November PQE • Sets 1: Level 2 Further Mathematics topics	Hegarty Maths Kerboodle text book
Spring 2	See Microsoft Teams for instructions from your teacher • Sets 2-4: Revision for each class directed by relative performance of topics in the November PQE • Sets 1: Level 2 Further Mathematics topics	Hegarty Maths Kerboodle text book

Curriculum Map- Mathematics - Year 12

	What is being learnt?	Remote learning links
Spring 1	• Binomial Expansion Ch9 • Kinematics Ch19 • Forces Ch20 • Data processing, presentation and interpretation Ch14/15 • Large Data Set essay • Probability Ch16	https://2017.integralmaths.org/ Moodle A2 Maths https://moodle.rainhammark.com/course/view.php?id=479
Spring 2	• Variable acceleration Ch21 • Probability Ch16 • Binomial distribution Ch17 • Statistical hypothesis testing Ch18	https://2017.integralmaths.org/ Moodle A2 Maths https://moodle.rainhammark.com/course/view.php?id=479

Curriculum Map – Further Mathematics- Year 12

	What is being learnt?	Remote learning links
Spring 1	• Discrete probability distribution Ch3 • Bivariate data correlation coefficient Ch4 • Forces and motion Ch2 • A model of friction Ch3 • Moments of forces Ch4 • Work, energy, power Ch5	https://2017.integralmaths.org/ Moodle A2 Maths https://moodle.rainhammark.com/course/view.php?id=479
Spring 2	• Bivariate data regression Ch5 • Chi-squared tests Ch6 • Impulse and momentum Ch6 • Centre of mass Ch7 • Dimensional analysis Ch8	https://2017.integralmaths.org/ Moodle A2 Maths https://moodle.rainhammark.com/course/view.php?id=479

Curriculum Map- Mathematics- Year 13

	What is being learnt?	Remote learning links
Spring 1	• Forces and motion Ch19 • Moments of forces Ch20 • Projectiles Ch21 • Probability Ch15 • Statistical distributions Ch16	https://2017.integralmaths.org/ Moodle A2 Maths https://moodle.rainhammark.com/course/view.php?id=479
Spring 2	• A model of friction Ch22 • Hypothesis testing Ch17	https://2017.integralmaths.org/ Moodle A2 Maths https://moodle.rainhammark.com/course/view.php?id=479

Curriculum Map – Further Mathematics - Year 13

	What is being learnt?	Remote learning links
Spring 1	• Mechanics / Statistics	https://2017.integralmaths.org/ Moodle A2 Maths https://moodle.rainhammark.com/course/view.php?id=479
Spring 2	• Mechanics / Statistics • Year 12 Statistics / Mechanics revision	https://2017.integralmaths.org/ Moodle A2 Maths https://moodle.rainhammark.com/course/view.php?id=479