

LHEA - History Department, Key Stage 3 Curriculum Map 2017-18

	<i>Term 1</i>	<i>Term 1.5</i>	<i>Term 2</i>	<i>Term 2.5</i>	<i>Term 3</i>	<i>Term 3.5</i>
Year 7						
Number, Algebra, Ratio & Proportion, Rates of change, Geometry & Measures, Probability & Statistics.	<ul style="list-style-type: none"> - Number system 1. - Mensuration 1. - Expressions & formulae 1. 	<ul style="list-style-type: none"> - Fractions 1. - Percentages 1. - 2D shapes. - Angle geometry 1. 	<ul style="list-style-type: none"> - Graphs 1. - Statistics 1. - Transformations & symmetry 1. 	<ul style="list-style-type: none"> - Equations 1. - Number properties 1. - 3D shapes 1. - Constructions 1. 	<ul style="list-style-type: none"> - Sequences 1. - Decimal calculations. 	<ul style="list-style-type: none"> - Ratio & proportion 1. - Probability 1.
Key learning skills emphasized in lessons and in tests	<ul style="list-style-type: none"> - Whole numbers & decimals. - Rounding & estimation. - Order of operations. - Negative numbers. - Units of measure. - Perimeter 1. - Area of rectangles, triangles, parallelograms & trapezia. - Terms and expressions - Simplifying expressions - Using formulae 	<ul style="list-style-type: none"> - Equivalent fractions. - Fractions of amounts. - Operations with fractions. - Fractions & decimals - Percentages of amounts. - Percentage change. - Fractions, decimals & percentages. - Properties of 2D shapes. - Properties of angles. - Calculating angles. 	<ul style="list-style-type: none"> - Coordinates. - Linear graphs. - Real life graphs. - Averages and the range. - Collecting data. - Interpreting data. - Presenting data. - Reflectional symmetry. - Rotational symmetry. - Translations. 	<ul style="list-style-type: none"> - Forming linear equations. - Solving linear equations. - Evaluating solutions. - Squares, cubes & roots. - Multiples & factors. - Prime numbers. - LCM & HCF 1. - Properties of 3D shapes. - Nets. - Volume of cubes & cuboids. - Constructing triangles. 	<ul style="list-style-type: none"> - Describing sequences. - Generating terms. - Generalising Nth term of linear sequences. - Mental methods. - Written methods. - Calculator use. 	<ul style="list-style-type: none"> - Proportion. - Simplifying ratios. - Calculation with ratios - Describing likelihood. - Probability scale. - Theoretical 1. - Experimental 1. - Sets 1.
Reading lists	- MyMaths, Kerboodle - Books 1A, 1B, 1C	- MyMaths, Kerboodle - Books 1A, 1B, 1C	- MyMaths, Kerboodle - Books 1A, 1B, 1C	- MyMaths, Kerboodle - Books 1A, 1B, 1C	- MyMaths, Kerboodle - Books 1A, 1B, 1C	- MyMaths, Kerboodle - Books 1A, 1B, 1C
Additional study materials/links/activities to do outside of school	Kerboodle Books 1A – 1C - Units 1a to 1h - Units 2a to 2h - Units 3a to 3f	Kerboodle Books 1A – 1C - Units 4a to 4h - Units 5a to 5h	Kerboodle Books 1A – 1C - Units 6a to 6d - Units 8a to 8j - Units 9a to 9f	Kerboodle Books 1A – 1C - Units 10a to 10e - Units 11a to 11e - Units 12a to 12g	Kerboodle Books 1A – 1C - Units 13a to 13d - Units 14a to 14d	Kerboodle 1A,1B,1C - Units 15a to 15d - Units 16a to 16e
Cross-curricular links	- Place value & time-lines (HI), Financial literacy (BS), Design & mensuration (DT, SCI, ART), approximations & variables (SCI & FD).	- Financial literacy (BS), Design, plans and elevations (DT, ART), ratio & proportionality (SCI, FD).	- Graphs (SCI, CS, GE), Mileage charts, two-way tables and networks (GE, SCI, DT, FD), Tessellations (ART).	- Maps & scale drawing (GE), approximations & variables (SCI & FD). Design & mensuration (DT, SCI, ART),	- Tessellations (ART), place value & time-lines (HI, GE), financial literacy (BS), approximations & variables (SCI & FD).	- Financial literacy (BS), hypothesising, evaluating & predicting (HI, SCI, BS, CS, EN), direct proportion (SCI, FD).

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Year 8						
Number, Algebra, Ratio & Proportion, Rates of change, Geometry & Measures, Probability & Statistics.	<ul style="list-style-type: none"> - Number system 2. - Mensuration 2. - Expressions & formulae 2. 	<ul style="list-style-type: none"> - Fractions 2. - Percentages 2. - Angle geometry 2. 	<ul style="list-style-type: none"> - Graphs 2 - Statistics 2 - Transformations 2 	<ul style="list-style-type: none"> - Equations 2 - Constructions 2. 	<ul style="list-style-type: none"> - Sequences 2. - 3D shapes 2. 	<ul style="list-style-type: none"> - Ratio & proportion 2. - Probability 2.
Key learning skills emphasized in lessons and in tests	<ul style="list-style-type: none"> - Integers & decimals. - Multiples & Factors. - Prime factorisation. - LCM & HCF 2. - Metric system. - Area of rectangles, triangles, parallelograms, Trapezia. - Circles. - Arcs & Sectors. - Expanding brackets. - Basic factorisation. - Substituting into formulae. - Index notation. 	<ul style="list-style-type: none"> - Fractions of amounts. - Operations with fractions. - Fractions & decimals. - Mixed numbers. - Percentages of amounts. - Percentage change. - Fractions, decimals & percentages. - Simple interest. - Calculations in angles. - Reasoning with angles. - Parallel lines. - Bearings. 	<ul style="list-style-type: none"> - $y = Mx + C$. - Gradient & y-intercept. - Quadratic & cubic graphs. - Discrete data. - Grouped data. - Comparing data - Presenting data. - Reflection. - Rotation. - Translation. - Enlargement. 	<ul style="list-style-type: none"> - One-step equations - Multi-step equations. - Equations with brackets. - Equations with fractions. - Equations with unknown on both sides. - Simultaneous equations 1. - Perpendicular bisector. - Angular bisector. - Constructing polygons. 	<ul style="list-style-type: none"> - Arithmetic sequences. - Geometric sequences. - Quadratic sequences. - Isometry. - Plans & elevations. - Volume of prisms - Surface area or prisms 	<ul style="list-style-type: none"> - Comparing proportions. - Direct proportion. - Inverse proportion. - Comparing ratios. - Calculation with ratios. - Listing outcomes. - Theoretical 2 - Experimental 2 - Sets 2
Reading lists	- MyMaths, Kerboodle. - Books 2A, 2B, 2C.	- MyMaths, Kerboodle. - Books 2A, 2B, 2C.	- MyMaths, Kerboodle. - Books 2A, 2B, 2C.	- MyMaths, Kerboodle. - Books 2A, 2B, 2C.	- MyMaths, Kerboodle. - Books 2A, 2B, 2C.	- MyMaths, Kerboodle. - Books 2A, 2B, 2C.
Additional study materials/links/activities to do outside of school	Kerboodle Books 2A to 2C. - Units 1a to 1h. - Units 2a to 2e. - Units 3a to 3f.	Kerboodle Books 2A to 2C - Units 4a to 4h. - Units 5a to 5h.	Kerboodle Books 2A to 2C - Units 6a to 6e. - Units 8a to 8h. - Units 9a to 9e.	Kerboodle Books 2A to 2C - Units 10a to 10d. - Units 12a to 12g.	Kerboodle Books 2A to 2C - Units 13a to 13d - Units 14a to 14e	Kerboodle 2A to 2C - Units 15a to 15f - Units 16a to 16e
Cross-curricular links	- Scale drawing (GE), financial literacy (BS), Design & mensuration (DT, SCI, ART), approximations & variables (SCI & FD), approximations & variables (SCI & FD).	- Financial literacy (BS), ratio & proportionality (SCI, FD). Design & mensuration (DT, SCI, ART).	- Graphs, measure of slopes, functions (SCI, CS, GE), scatter graphs, pie charts (SCI, FD), Tessellations, Isometry (ART).	- Maps & scale drawing (GE), approximations & variables (SCI & FD). Design & mensuration (DT, SCI, ART),	- Tessellations (ART), place value & time-lines (HI, GE), density, mass, volume, capacity (SCI, FD).	- Financial literacy (BS), hypothesising, evaluating & predicting (HI, SCI, BS, CS, EN), preparing ingredients, recipes, experimenting (SCI, FD).

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Year 9 Number, Algebra, Ratio & Proportion, Rates of change, Geometry & Measures, Probability & Statistics.	- Arithmetic. - Expressions.	- Fractions. - Angles.	- Measures & accuracy. - Formulae	- 2D shapes. - Sequences.	- Indices. - Statistics & Probability 1.	- Pythagoras' theorem. - Trigonometry 1.
Key learning skills emphasized in lessons and in tests	Place value. Adding & subtracting. Multiplying and dividing. Financial problems. Negative numbers. Terms & expressions. Forming expressions. Simplifying expressions. Expanding brackets. Factorising.	Simplifying fractions. Fractions of amounts. Operations with fractions. Mixed numbers. Recurring decimals. Measuring angles. Reasoning with angles. Angles in polygons. Parallel lines. Bearings.	Metric units. Rounding. Estimation. Calculator use. Currency exchanges. Formulae & expressions. Substitute into expressions Substitution into formulae. Re-arranging formulae 1. Re-arranging formulae 2.	Properties Area Perimeter Congruence Transformations Describing. Generating terms. Linear sequences. Quadratic sequences. Other sequences.	Powers & roots. Index notation. Standard form (Large). Standard form (Small). Standard form (Calculations) Averages 1. Organising data. Representing data. Sets 1. Tree diagrams 1.	Hypotenuse. Shorter lengths. Diagonals. Coordinates. 3D Pythagoras. Sine. Cosine. Tangent. Angles 0,30,45 and 60. SOH-CAH-TOA application.
Reading lists	MyMaths, Kerboodle. Books: Foundation/Higher.	MyMaths, Kerboodle. Books: Foundation/Higher.	MyMaths, Kerboodle. Books: Foundation/Higher.	MyMaths, Kerboodle. Books: Found./Higher	MyMaths, Kerboodle. Books: Foundation/Higher.	MyMaths, Kerboodle. Books: Foundation/Higher.
Additional study materials/links/activities to do outside of school	MyMaths online boosters. MyMaths GCSE text Books. CGP Edexcel text books. Maths watch videos.	MyMaths online boosters. MyMaths GCSE text Books. CGP Edexcel text books. Maths-watch videos.	MyMaths online boosters. MyMaths GCSE text Books. CGP Edexcel text books. Maths watch videos.	MyMaths boosters. MyMaths GCSE text. CGP Edexcel text. Maths-watch videos.	MyMaths online boosters. MyMaths GCSE text Books. CGP Edexcel text books. Maths watch videos.	MyMaths online boosters. MyMaths GCSE text Books. CGP Edexcel text books. Maths watch videos.
Cross-curricular links	- Scale drawing (GE), financial literacy (BS), terms, expressions, formulae, equations, estimation (SC, DT, FD).	- Financial literacy, percentages (BS), ratio & proportionality (SCI, FD). Maps, designing, mensuration, tessellations, isometry (GE, DT,SCI, ART).	- Distance, speed, time, financial literacy (GE, SC, BS), terms, expressions, formulae, functions, equations, estimation (SC, DT, FD).	- Scale drawing, design, mensuration, tessellation, isometry, graphs, formulae, functions, creating (GE,DT,SCI, ART, MU).	- Financial literacy (BS), hypothesising, evaluating & predicting (HI, SCI, BS, CS, EN).	-Triangles in design, woodwork, construction (DT). Angle geometry, algebra, fractions, calculator use, graphs, mensuration (SCI, BS, DT, CS).

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Year 10 Number, Algebra, Ratio & Proportion, Rates of change, Geometry & Measures, Probability & Statistics.	- Number properties. - Equations.	- Percentages - Circles.	- Proportionality. - Functions.	- 3D shapes. - Graphs.	- Loci. - Statistics 2.	- Probability 2. - Trigonometry 2.
Key learning skills emphasized in lessons and in tests	Divisibility. Factors & multiples. Prime factorization. LCM & HCF. Algebraic proof. One step equations. Multiple step equations. Simultaneous equations. Fractional equations. Quadratic equations.	Percentages & decimals. Percentages of amounts. Percentage change. Reverse percentages. Compound interest. Properties. Area & circumference. Sectors & Segments. Circle theorems. Equations of circles.	Comparing scales. Working out recipes. Simplifying ratios. Dividing into ratios. Compound measures. Function machines. Tabulations & graphs. Using functions. Composite functions. Inverse functions.	Properties. Volume. Surface area. Composite shapes. Elevations. Coordinates. Real life graphs. Linear graphs. Non-linear graphs. Area under the curve.	Constructing polygons. Perpendicular bisector. Angular bisector. Other loci. Perpendicular from a point. Interpreting data. Presenting data. Averages 2. Spread. Sampling.	Likelihood of events. Single event. Multiple events. Sets 2. Tree diagrams 2. Pythagoras & Trig 1. Sine rule. Cosine rule. Area of triangle. Application.
Reading lists	MyMaths, Kerboodle. Books: Foundation/Higher.	MyMaths, Kerboodle. Books: Foundation/Higher.	MyMaths, Kerboodle. Books: Found./Higher.	MyMaths, Kerboodle. Books: Found./Higher	MyMaths, Kerboodle. Books: Foundation/Higher.	MyMaths, Kerboodle. Books: Found./Higher.
Additional study materials/links/activities to do outside of school	MyMaths online boosters. MyMaths GCSE text Books. CGP Edexcel text books. Maths watch videos.	MyMaths online boosters. MyMaths GCSE text Books. CGP Edexcel text books. Maths-watch videos.	MyMaths online boosters. MyMaths GCSE text. CGP Edexcel text books. Maths watch videos.	MyMaths boosters. MyMaths GCSE text. CGP Edexcel text. Maths-watch videos.	MyMaths online boosters. MyMaths GCSE text Books. CGP Edexcel text books. Maths watch videos.	MyMaths boosters. MyMaths GCSE text. CGP Edexcel text. Maths watch videos.
Cross-curricular links	- Financial literacy, prime factors, generalisations (BS, SCI) terms, expressions, variables, formulae, approximation (SCI, DT, FD).	- Financial literacy, decimals, fractions, ratio & proportionality (SCI, BS, FD). Design & mensuration (DT,SCI, ART).	- Ratio, proportionality (SCI, BS, FD), graphs, coordinates, gradients, intercepts, substitution, composing music (SCI, CS, GE, DT, MU).	- Density, mass, volume, pressure (SCI, FD), functions, sequences, gradients, intercepts, (SCI, CS, GE, DT).	- Design, isometry (DT, ART), scatter graphs, pie charts, hypothesising, investigating, evaluating, predicting (HI, SCI, BS, CS, EN).	- Hypothesising, experimenting (SCI, FD), woodwork, construction (DT), calculator use, graphs, mensuration (SCI, BS, DT, CS).