



Curriculum Map 2019-20

Subject: Mathematics

End Game: To be a confident and analytical thinker, who questions the world around them and unravels assumptions to come to their own logical conclusions.

To instill the appreciation of mathematics through questioning and probing of students' curiosity.

To develop the confidence and ability to apply mathematics to everyday situations.

	AP1	AP2	AP3
Students given opportunity to discuss and deepen knowledge	When did you last use maths outside of school? Can statistics be misleading? What is the relationship between BIDMAS and punctuation?	Does algebra make things quicker?	How are ratios, fractions and percentages related?
Year 7	<p>Topic(s):</p> <p><u>Assessment</u>: Every 4 weeks a small assessment is given with individualised feedback</p> <p>Delta - 7W and 7E</p> <p><u>Unit 1 – Analysing and displaying data</u> (Two-way tables and bar charts, Averages and range, grouped Data, more graphs, Pie charts, STEM: scatter graphs and correlation)</p> <p><u>Unit 2 - Number skills</u> (Factors, primes and multiples, using negative numbers, Multiplying and dividing, Squares and square roots, more powers and roots, calculations)</p>	<p>Topic(s):</p> <p><u>Assessment</u>: Every 4 weeks a small assessment is given with individualised feedback</p> <p>Delta - 7W and 7E</p> <p><u>Unit 3 – Equations, functions and formulae</u> (Simplifying algebraic expressions, Writing algebraic expressions, STEM: using formulae, Writing formulae, Brackets and powers, factorising expressions)</p> <p><u>Unit 4 – Fractions</u> (Working with fractions, Adding and subtracting fractions, Fractions, decimals and percentages, Multiplying and dividing fractions, Working with mixed numbers)</p> <p><u>Unit 5 – Angles and shape</u> (Angles in parallel lines, Triangles, Quadrilaterals, Polygons)</p> <p><u>Unit 6 – Decimals</u> (Ordering decimals, Rounding decimals, Adding and subtracting decimals, Multiplying decimals, Dividing decimals, Fractions, decimals and percentages, FINANCE: working with percentages)</p>	<p>Topic(s):</p> <p><u>Assessment</u>: Every 4 weeks a small assessment is given with individualised feedback</p> <p>Delta - 7W and 7E</p> <p><u>Unit 7 – Equations</u> (Solving one-step equations, Solving two-step equations, More complex equations, Trial and improvement)</p> <p><u>Unit 8 – Multiplicative reasoning</u> (STEM: Metric and imperial units, Writing ratios, Sharing in a given ratio, Proportion, Proportional reasoning, Using the unitary method)</p> <p><u>Unit 9 – Perimeter, area and volume</u> (Triangles, parallelograms and trapeziums, Perimeter and area of compound shapes, Properties of 3D solids Surface area, Volume, STEM: Measures of area and volume)</p> <p>Unit covered after AP3</p> <p><u>Unit 10 – Sequences and graphs</u> (Sequences, The nth term, Pattern sequences, Coordinates and line segments, Graphs)</p>



<p>Theta – 7L, 7O, 7N, 7D, 7P</p> <p><u>Unit 1 – analysing and displaying data</u> (Mode, median and range, Displaying data, Grouping data, Averages and comparing data, Line graphs and more bar charts, Using spreadsheets)</p> <p><u>Unit 2 – Number skills</u> (Mental arithmetic, Addition and subtraction, Multiplication, Division, FINANCE: time and money, Negative numbers, Factors, multiples and primes, Square and triangle numbers)</p>	<p>Theta – 7L, 7O 7N, 7D, 7P</p> <p><u>Unit 3 – Expressions, functions and formulae</u> (Functions, Simplifying expressions 1, Simplifying expressions 2, Writing expressions, STEM: substituting into formulae, Writing formulae)</p> <p><u>Unit 4 – Decimals and measures</u> (Decimals and rounding, Length, mass and capacity, Scales and coordinates, Working with decimals mentally, Working with decimals, Perimeter, Area, STEM: more units)</p> <p><u>Unit 5 – Fractions</u> (Comparing fractions, Simplifying fractions, Working with fractions, Fractions and decimals, Understanding percentages, Percentages of amounts)</p> <p><u>Unit 6 – Probability</u> (The language of probability, Calculating probability, More probability calculations, Experimental probability, FINANCE: expected outcomes)</p>	<p>Theta – 7L, 7O 7N, 7D, 7P</p> <p><u>Unit 7 – Ratio and proportion</u> (Direct proportion, Writing ratios, Using ratios, Scales and measures, Proportions and fractions, Proportions and percentages)</p> <p><u>Unit 8 – Lines and angles</u> (Lines, angles and triangles, Estimating, measuring and drawing angles, Drawing triangles accurately, STEML calculating angles, Angles in a triangle, Quadrilaterals)</p> <p><u>Unit 9 – sequences and graphs</u> (Sequences, Pattern Sequences, Coordinates, Extending sequences, Straight-line graphs, Position-to-term rules)</p> <p>Unit covered after AP3</p> <p><u>Unit 10 – Transformations</u> (Congruency and enlargements, Symmetry, Reflection, Rotations, Translations and combined transformations)</p>
<p>Pi – 7S</p> <p><u>Unit 1 – Analysing and displaying data</u> (Tables and pictograms, Bar charts, Grouped data, Mode and modal class, Range and median, Mean)</p> <p><u>Unit 2 – Calculating</u> (Adding, Subtracting, Multiplying, Dividing, Multiplying and dividing by 10, 100 and 1000, Using the four operations, Positive and negative numbers)</p>	<p>Pi – 7S</p> <p><u>Unit 3 – Expressions, functions and formulae</u> (Using functions, Function machines, Simplifying expressions, STEM: Using formulae, Writing formulae)</p> <p><u>Unit 4 – Graphs</u> (Real-life graphs, Coordinates, Graphs of functions, STEM: scientific graphs)</p> <p><u>Unit 5 – Factors and multiples</u> (number rules and relationships, Multiples, Multiplication, Division, Solving problems, Factors and primes, Common factors and multiples)</p> <p><u>Unit 6 – Decimals and measures</u> (Estimates and measures, Decimal numbers, Metric units, Adding and subtracting decimals, Rounding, Multiplying and dividing decimals, FINANCE: Calculating with money)</p>	<p>Pi – 7S</p> <p><u>Unit 7 – Angles and lines</u> (Right angles and lines, Measuring angles 1 Measuring angles 2, Drawing and estimating angles, Putting angles together)</p> <p><u>Unit 8 – Measuring and shape</u> (Shapes, Symmetry in shapes, More symmetry, Regular polygons, Perimeter, Area)</p> <p><u>Unit 9 – Fractions, decimals and percentages</u> (Comparing fractions, Equivalent fractions, Calculating with Fractions, Adding and subtracting fractions, Introducing percentages, FINANCE: finding percentages)</p> <p>Unit covered after AP3</p> <p><u>Unit 10 – Transformations</u> (Reflection, Translation, Rotation, STEM : congruence)</p>



<p>Students given opportunity to discuss and deepen knowledge</p>	<p>Can you make every number by multiplying prime numbers? When is it a good idea to round numbers? When is it not a good idea to round numbers?</p>	<p>Why do we prefer writing numbers as fractions rather than decimals? How else can we write numbers more easily?</p>	<p>How many different ways can we describe gradients? What is the connection between probability and risk?</p>
<p>Year 8</p>	<p>Topic(s):</p> <p><u>Assessment</u>: Every 4 weeks a small assessment is given with individualised feedback</p> <p>Delta - 8W and 8E</p> <p><u>Unit 1 – Factors and Powers</u> (Prime factor decomposition, Laws of indices, STEM: powers of 10, Calculating and estimating)</p> <p><u>Unit 2 – Working with powers</u> (Simplifying expressions, more simplifying, Expanding and factorising expressions, Substituting and solving)</p>	<p>Topic(s):</p> <p><u>Assessment</u>: Every 4 weeks a small assessment is given with individualised feedback</p> <p>Delta - 8W and 8E</p> <p><u>Unit 3 – 2D shape and 3D solids</u> (Plans and elevations, Surface area of prisms, Volume of prisms, Circumference of a circle, Area of a circle, Cylinders, Pythagoras’ theorem)</p> <p><u>Unit 4 – Real life graphs</u> (Direct proportion, FINANCE: interpreting financial graphs, Distance-time graphs, Rates of change, Misleading graphs)</p> <p><u>Unit 5 – Transformations</u> (Reflection and translation, Rotation, Enlargement, More enlargements, STEM: combining transformations, 2D shapes and 3D solids)</p> <p><u>Unit 6 – Fractions, decimals and percentages</u> (Recurring decimals, using percentages, Percentage change, FINANCE: repeated percentage change)</p>	<p>Topic(s):</p> <p><u>Assessment</u>: Every 4 weeks a small assessment is given with individualised feedback</p> <p>Delta - 8W and 8E</p> <p><u>Unit 7 – Construction and loci</u> (Accurate drawings, Constructing Shapes, Constructions1, Constructions 2, Loci)</p> <p><u>Unit 8 – Probability</u> (Comparing probabilities, Mutually exclusive events, Estimating probability, Experimental probability, Probability diagrams, Tree diagrams)</p> <p><u>Unit 9 – Scale drawings and measures</u> (Maps and scales, Bearings, Scales and ratio, Congruent and similar shapes, Solving geometry problems)</p> <p>Unit covered after AP3</p> <p><u>Unit 10 – Graphs</u> (Plotting linear graphs, The gradient, $y = mx + c$, parallel and perpendicular lines, Inverse functions, STEM: Non-linear graphs)</p>
	<p>Theta – 8N, 8D, 8P</p> <p><u>Unit 1 – Number</u> (Calculations, Calculating with negative integers, Powers and roots, Powers, roots and brackets, Multiples and brackets, Multiples and factors)</p> <p><u>Unit 2 – Area and volume</u> (Area of a triangle, Area of a parallelogram and trapezium, Volume of cubes and cuboids, 3D shapes, Surface area of cubes and cuboids, Problems and measure)</p>	<p>Theta –8N, 8D, 8P</p> <p><u>Unit 3 – Statistics, graphs and charts</u> (Pie charts, using tables, Stem and leaf diagrams, Comparing data, Scatter graphs, FINANCE: Misleading graphs)</p> <p><u>Unit 4 – Expressions and equations</u> (Algebraic powers, Expressions and brackets, Factorising expressions, One-step equations, Two-step equations, The balancing method)</p> <p><u>Unit 5 – Real-life graphs</u> (Conversion graphs, Distance-time graphs, line graphs, Complex line graphs, STEM: Graphs of functions, More real-life graphs)</p>	<p>Theta – 8N, 8D, 8P</p> <p><u>Unit 7 – Lines and angles</u> (Quadrilaterals, Alternate angles and proof, Geometric problems, Exterior and interior angles, Solving geometric problem)</p> <p><u>Unit 8 – Calculating with fractions</u> (Adding and subtracting fractions, Multiplying fractions, fractions, decimals and reciprocals, Dividing fractions, Calculating with mixed numbers)</p> <p><u>Unit 9 – Straight-line graphs</u> (Direct proportion on graphs, Gradients, Equations of straight lines, STEM: direct proportion problems)</p>



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		<p><u>Unit 6 – Decimals and ratios</u> (Ordering decimals and rounding, Place-value calculations, Calculations with decimals, Ratio and proportion with decimals, STEM: using ratios)</p>	<p>Unit covered after AP3</p> <p><u>Unit 10 – Percentages, decimals and fractions</u> (Fractions and decimals, equivalent proportions, Writing percentages, Percentages of amounts, FINANCE: Solving problems)</p>
	<p>Pi – 8S</p> <p><u>Unit 1 – Number properties and calculations</u> (Adding and subtracting with larger numbers, More calculations, Negative numbers, STEM: writing ratios, Using ratios to solve problems, Multiplicative reasoning)</p> <p><u>Unit 2 – Shapes and measure in 3D</u> (3D Solids, Nets of 3D solids, Surface area, Volume, Working with measure)</p>	<p>Pi – 8S</p> <p><u>Unit 3 – Statistics</u> (Data collection sheets, Interpreting bar charts, Drawing bar charts, STEM: pie charts)</p> <p><u>Unit 4 – Expressions and equations</u> (Simplifying expressions, functions, solving equations, using brackets)</p> <p><u>Unit 5 – Decimal calculations</u> (Adding and subtracting decimals, Multiplying decimals, Ordering and rounding decimals, STEM: problem-solving with decimals)</p> <p><u>Unit 6 – Angles</u> (Measuring and drawing angles, Vertically opposite angles, Angles in triangles, Drawing triangles accurately, Designing nets)</p>	<p>Pi – 8S</p> <p><u>Unit 7 – Number properties</u> (Squares, cubes and roots, Calculating with brackets and indices, LCM and HCM, Prime factor decomposition)</p> <p><u>Unit 8 – Sequences</u> (Generating sequences, Extending sequences, Special sequences, Position-to-term rules, Finding the nth term)</p> <p><u>Unit 9 – Fractions and percentages</u> (Comparing fractions, Fractions of amounts, Adding and subtracting fractions, Fractions and percentages, Calculating percentages, STEM: Percentages and proportion)</p> <p>Unit covered after AP3</p> <p><u>Unit 10 – Probability</u> (The language of probability, Outcomes, Probability calculations, Experimental probability, FINANCE: comparing probabilities)</p>
<p>Students given opportunity to discuss and deepen knowledge</p>	<p>How many different ways can you write $\sqrt{27} + 4\sqrt{81}$?</p>	<p>Interpretation of graphs – e.gs of graphs that are misleading for discussion</p> <p>Teaching and understanding trigonometry through similar triangles, using ratio's.</p>	<p>Importance of BIDMAS when constructing graphs</p> <p>Links to A level when carrying out basic construction and bearings.</p> <p>Where do you see alternate and corresponding angles in real life?</p>
<p>Year 9</p>	<p>Topic(s):</p> <p>HIGHER Working with number (Edexcel Scheme of Work Unit 1: Powers, decimals, HCF and LCM, positive and negative, roots, rounding, reciprocals, standard form, indices and surds)</p> <p>Algebra Edexcel Scheme of Work Unit 2: Expressions, substituting into simple formulae, expanding and</p>	<p>Topic(s):</p> <p>HIGHER Interpreting and representing Data (Edexcel Scheme of Work Unit 3: Averages and range, collecting data, representing data)</p> <p>Graphs, Tables and Charts (Edexcel Scheme of Work Unit 3: Drawing and interpreting graphs, tables and charts)</p> <p>Fractions, Decimals and Percentages</p>	<p>Topic(s):</p> <p>HIGHER Graphs (Edexcel Scheme of Work Unit 6: Real-life and algebraic linear graphs, quadratic and cubic graphs, the equation of a circle, plus rates of change and area under graphs made from straight lines)</p> <p>Area and volume</p>



<p>factorising, equations, sequences and inequalities, simple proof)</p> <p>FOUNDATION Working with number Edexcel Scheme of Work Unit 1: Number, powers, decimals, HCF and LCM, roots and rounding)</p> <p>Algebra (Edexcel Scheme of Work Unit 2: Expressions, substituting into simple formulae, expanding and factorising)</p> <p>Assessment: Every 4 weeks a small assessment is given</p> <p>Topic assessment on skills learnt</p>	<p>(Edexcel Scheme of Work Unit 4: Fractions, percentages, ratio and proportion)</p> <p>Angles and Trigonometry (Edexcel Scheme of Work Unit 5: Angles, polygons, parallel lines; Right-angled triangles: Pythagoras and trigonometry)</p> <p>FOUNDATION Graphs, tables and charts (Edexcel Scheme of Work Unit 3: Drawing and interpreting graphs, tables and charts)</p> <p>Fractions and percentages (Edexcel Scheme of Work Unit 4: Fractions and percentages)</p> <p>Equations, inequalities and sequences (Edexcel Scheme of Work Unit 5: Equations, inequalities and sequences)</p> <p>Angles (start of) (Edexcel Scheme of Work Unit 6: Angles, polygons and parallel lines) Assessment: Topic assessment (Edexcel provided)</p> <p>Assessment Every 4 weeks a small assessment is given</p> <p>Topic assessment on skills learnt (Edexcel provided)</p>	<p>(Edexcel Scheme of Work Unit 7: Perimeter, area and volume, plane shapes and prisms, circles, cylinders, spheres, cones; Accuracy and bounds)</p> <p>Transformations and constructions (Edexcel Scheme of Work Unit 8: Transformations; Constructions: triangles, nets, plan and elevation, loci, scale drawings and bearings)</p> <p>FOUNDATION Angles (finish) (Edexcel Scheme of Work Unit 6: Angles, polygons and parallel lines)</p> <p>Averages and range (Edexcel Scheme of Work Unit 7: Averages and range, sampling, collecting data, analysing data)</p> <p>Perimeter, area and Volume (Edexcel Scheme of Work Unit 8:) Parallelograms, trapezium, compound shapes, surface area and volumes.</p> <p>Assessment: Every 4 weeks a small assessment is given.</p> <p>Topic assessment on skills learnt (Edexcel provided)</p>	
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<p>Students given opportunity to discuss and deepen knowledge</p>	<p>How many roots can a quadratic equation have? Why do probabilities add up to 1? How important is direction when using vectors?</p>	<p>Understanding of advanced trig using the unit circle. Why is a 3,4,5 triangle useful for corners of buildings?</p>	<p>Are histograms deceptive and why? Why is the north line important in bearings?</p>
<p>Year 10</p>	<p>Topic(s): HIGHER</p> <p>Equations and inequalities (Edexcel Scheme of Work Unit 9: Algebra: Solving quadratic equations and inequalities, solving simultaneous equations algebraically)</p> <p>Probability (Edexcel Scheme of Work Unit 10: Probability)</p> <p>FOUNDATION</p> <p>Graphs (Edexcel Scheme of Work Unit 9: Real-life and algebraic linear graphs)</p> <p>Transformations (Edexcel Scheme of Work Unit 10: Transformations)</p> <p>Ratio and proportion (Edexcel Scheme of Work Unit 11: Ratio and Proportion)</p> <p>Assessment: Every 4 weeks a small assessment is given.</p>	<p>Topic(s): HIGHER</p> <p>Multiplicative reasoning (Edexcel Scheme of Work Unit 11: Multiplicative reasoning: direct and inverse proportion, relating to graph form for direct, compound measures, repeated proportional change)</p> <p>Similarity and congruence (Edexcel Scheme of Work Unit 12: Similarity and congruence in 2D and 3D)</p> <p>More trigonometry (Edexcel Scheme of Work Unit 13: Sine and cosine rules, $(1/2)ab \sin C$, trigonometry and Pythagoras' Theorem in 3D, trigonometric graphs, and accuracy and bounds)</p> <p>Further statistics (start of) (Edexcel Scheme of Work Unit 14: Statistics and sampling, cumulative frequency and histograms)</p> <p>FOUNDATION</p> <p>Right-angled triangles</p>	<p>Topic(s): HIGHER</p> <p>Further statistics (finish unit) (Edexcel Scheme of Work Unit 14: Statistics and sampling, cumulative frequency and histograms)</p> <p>Equations and graphs (Edexcel Scheme of Work Unit 15: Quadratics, expanding more than two brackets, sketching graphs, graphs of circles, cubes and quadratics)</p> <p>Circle Theorems (Edexcel Scheme of Work Unit 16: Circle theorems and circle geometry)</p> <p>More algebra (Edexcel Scheme of Work Unit 17: Changing the subject of formulae (more complex), algebraic fractions, solving equations arising from algebraic fractions, rationalising surds, proof)</p> <p>FOUNDATION</p> <p>Constructions, loci and bearings</p>



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	<p>Topic assessments on skills learnt</p>	<p>(Edexcel Scheme of Work Unit 12: Right-angled triangles: Pythagoras and trigonometry)</p> <p>Probability (Edexcel Scheme of Work Unit 13: Probability)</p> <p>Multiplicative reasoning (Edexcel Scheme of Work Unit 14: Multiplicative reasoning: more percentages, rates of change, compound measures)</p> <p>Assessment: Every 4 weeks a small assessment is given.</p> <p>Topic assessment on skills learnt</p>	<p>(Edexcel Scheme of Work Unit 15: Constructions: triangles, nets, plan and elevation, loci, scale drawings and bearings)</p> <p>Quadratic equations and graphs (Edexcel Scheme of Work Unit 16: Algebra: quadratic equations and graphs)</p> <p>Perimeter, area and volume 2</p> <p>(Edexcel Scheme of Work Unit 17: Perimeter, area and volume 2: circles, cylinders, cones and spheres)</p> <p>Assessment: Every 4 weeks a small assessment is given.</p> <p>End of Year exam on all skills learnt to date. 2 papers calculator and non calculator.</p> <p>Assessment: Every 4 weeks a small assessment is given.</p> <p>Topic assessment on skills learnt</p>
<p>Students given opportunity to discuss and deepen knowledge</p>	<p>How many different ways could you describe a journey on co-ordinate axes. What is the difference between congruence and similarity</p>		
<p>Year 11</p>	<p>Topic(s): HIGHER Vectors and geometric proof (Edexcel Scheme of Work Unit 18: Vectors and geometric proof)</p>	<p>Topic(s): Revision: personalised to students' needs</p>	<p>Topic(s): Revision: personalised to students' needs</p>

	<p>Proportion and graphs, Be Kind (Edexcel Scheme of Work Unit 19: Direct and indirect proportion: using statements of proportionality, reciprocal and exponential graphs, rates of change in graphs, functions, transformations of graphs)</p> <p>FOUNDATION Fractions, indices and standard form (Edexcel Scheme of Work Unit 18: More fractions, reciprocals, standard form, zero and negative indices)</p> <p>Congruence, similarity and vectors (Edexcel Scheme of Work Unit 19: Congruence, similarity and vectors)</p> <p>More algebra (Edexcel Scheme of Work Unit 20: Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations)</p> <p>Assessment: Every 4 weeks a small assessment is given. Mock (3 papers)</p>	<p>Assessment: Every 4 weeks a small assessment is given. Mock: 2 papers</p>	<p>Assessment: exam paper practice.</p>
<p>Students given</p>	<p>Is BIDMAS important is transforming graphs? Could the order of</p>	<p>How can the Pascals triangle be used to expand polynomials?</p>	<p>How is differentiation and Integration applied in mechanics?</p>



<p>opportunity to discuss and deepen knowledge</p>	<p>transformation have an impact on outcome of transformation? Why is analysing the discriminant important? Why are proofs important?</p>	<p>Why the same Trig ratio gives different angles? Are there infinite number of trigonometric ratios that are associated with each angles? How doe we find those angles and ratios? Why does differentiation gives us a gradient?</p>	<p>Why is proof by contradiction a powerful argument to use? What is the purpose of domain's and ranges?</p>
<p>Year 12</p>	<p>Algebraic expressions Quadratics, functions and discriminants, Simultaneous equations and sketching graphs. Transforming graphs- cubic, quadratic and reciprocal graphs Equations of straight lines, Factor theorem, Pascals triangle Understanding proofs Working with vectors Displacement and velocity time graphs Constant acceleration and vertical motion under gravity Assessments 20 min every 2 weeks</p>	<p>Binomial expansion, advanced trigonometry, Angles in 4 quadrants Cosine and sine rules, transforming trigonometric curves Solving Trigonometric equations Vectors, gradients and differentiation, increasing and decreasing functions, Stationary points and modelling Integration- indefinite and definite, Area under the curve Exponential and algorithms and their laws. Understand forces and motions and pulleys Application of differentiation and integration. Assessments 20 min every 2 weeks</p>	<p>Proof by contradiction Partial fractions, algebraic division. Modulus functions, composite functions, inverse functions and their ranges and domains. Arithmetic and geometric sequences. Sigma notations and its application in the real world. Binomial expansions and partial fractions Using differentiation and Integration in Mechanics Maxima and minima problem solving and using constant of acceleration. Assessments 20 min every 2 weeks</p>
<p>Students given opportunity</p>			



<p>to discuss and deepen knowledge</p>	<p>Why is radian important as a unit of measure? What is the meaning of calculus? How does the Newton Raphson formula work?</p>	<p>How to chose the correct method of integration. Which is the most efficient way of integrating and why certain methods do not work in certain situations. Why are different distributions important to statistical modelling? What does significant mean?</p>	
<p>Year 13</p>	<p>Radians, arcs, sectors and segments Solving equations and small angle approximations</p> <p>Reciprocal functions, Trig identities, Further Trig Parametric equations Differentiation sine and cosine. Product and quotient rule, chain rule, parametric differentiation, implicit differentiation Rates of change</p> <p>Locating roots, iteration and Newton Raphsons</p> <p>Standard Integration</p> <p>Forces and frictions Projectiles</p> <p>Assessments 20 min every 2 weeks</p>	<p>Integration by substitution, parts and reverse chain rule</p> <p>Integrations involving partial fractions. Trapezium rules and differential equations</p> <p>Understanding data collection, central tendency, outlier, histograms. Correlation and Regression Probability, hypothesis testing, different distributions</p> <p>Exponential modelling Conditional probabilities- Venns and trees</p> <p>Normal distributions Approximations and hypothesis testing</p> <p>Application of forces Further kinematics Assessments 20 min every 2 weeks</p>	<p>Year 13 Exam Preparation</p>