

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Pre Year 7						
This course is studied in primary school.			Interventions/support in place: Afterschool Targeted Intervention Learning Support Assistance in Classes Small Group Intervention during lesson time for targeted pupils			
Year 7						
Topic/Focus	<p><b><u>NP1 (5 weeks) Place Value &amp; the Number Line</u></b> Writing integers and decimals Ordering positive and negative integers and decimals including placing on a number line Multiplying and Dividing by Powers of 10 Rounding to nearest integer, decimal and significant figure. Converting Metric Units Calculating the midpoint of two numbers and the median of a list of numbers Binary</p> <p><b><u>NP2 (2 weeks plus 1 week in AUT2) Addition &amp; Subtraction</u></b> Adding and Subtracting positive integers and decimals Understanding the commutative and</p>	<p><b><u>NP2 (1 week following on from AU1) Addition &amp; Subtraction</u></b> <u>Angles</u>- On a straight line, around a point, vertically opposite and in a triangle Calculating Mean and Range of a set of data Applying addition and subtraction to real life problems Addition and Subtraction in Binary</p> <p><b><u>NP3 (4 weeks) Multiplication &amp; Division</u></b> Calculating multiplication tables up to 12x12 Multiplying and Dividing positive integers and decimals Understanding the commutative, associative laws and distributive properties</p>	<p><b><u>NP4 (2 weeks following on from AUT2) Powers, Roots &amp; Primes</u></b> Understanding roots as an inverse of powers Prime Numbers Prime Factorisation and using this to find factors of numbers</p> <p><b><u>NP5 (2 weeks) Order of Operations</u></b> Using Order of Operations in Calculations Including Brackets, Indices, Roots and Decimals</p> <p><b><u>NP6 (2 weeks plus 1 week in SPR2) Directed Numbers</u></b> Negative Numbers in Context Ordering Positive and Negative Numbers including on a Number Line</p>	<p><b><u>NP6 (1 weeks following on from SPR1) Directed Numbers</u></b> Powers of Negative Numbers Order of Operations with Negative Numbers Applying Negative Numbers to Real Life Situations</p> <p><b><u>A1 (1 week) Introduction to Algebraic Thinking</u></b> Substituting Numbers for Variables Finding Missing Value of Box or Symbol Addition and Subtraction of Linear Terms Placing Unknowns on a Number Line Using Inequalities</p> <p><b><u>NP7 (4 weeks) Fractions</u></b> Visual Representations of Fractions and Placing on a Number Line</p>	<p><b><u>NP8 (4 weeks) Percentages</u></b> Visual Representations of Percentages including Percentages more than 100 Expression One Number as a Percentage of Another FDP Equivalence, Converting and Ordering Calculating Percentage of Amount (Non-Calculator and Calculator) Percentage and Fraction Increase and Decrease The Effect of Multiplying by Numbers between 0 and 1</p> <p><b><u>NP9 (1 week plus 2 weeks in SPR2) Estimation &amp; Use of the Calculator</u></b> Rounding to Decimal Places and Significant Figures</p>	<p><b><u>NP9 (2 weeks following on from SUM1) Estimation &amp; Use of the Calculator</u></b> Rounding Errors Upper and Lower Bounds Truncation Error Intervals Approximating Calculations including Powers and Roots Using Percentage Multipliers to Calculate a Percentage of Amount Calculations and Estimations of Time with and without a Calculator Understanding Timetables</p> <p><b><u>A2 (2 weeks) Manipulating and Simplifying Expressions</u></b> Understanding Algebraic Notation Collecting Like Terms Simplifying Indices when Multiplying and Dividing</p>



	inform retrieval starters for next term	inform retrieval starters for next term	inform retrieval starters for next term	inform retrieval starters for next term	inform retrieval starters for next term	inform retrieval starters for next term
Year 8						
Topic	<p><b><u>Number Recap</u></b> Pupils given time to retrieve basic number knowledge based on catch up curriculum</p> <p><b><u>A2 (2 weeks) Manipulating and Simplifying Expressions</u></b> Understanding Algebraic Notation Collecting Like Terms Simplifying Indices when Multiplying and Dividing Multiplication Rule for Indices (Power of a Power)</p> <p><b><u>GM1 (2 weeks plus 1 week in AUT2) Drawing, Measuring and Constructing</u></b> Learning how to use a Ruler, Protractor and Compass correctly to Measure and Draw Labelling Line Segments and Angles Correctly Constructing Triangles and Parallel Lines Perpendicular and Angle Bisectors</p>	<p><b><u>GM1 (1 week following on from AU1) Drawing, Measuring and Constructing</u></b> Loci- Fixed distance from a Point and a Line Equidistance from two points and two lines</p> <p><b><u>A3 (2 weeks) Manipulating and Simplifying Expressions</u></b> Expanding Single Brackets including Adding or Subtracting them. Factorising into a Single Bracket Expanding Two Simple Binomials Writing more Complex Algebraic Expressions</p> <p><b><u>A4 (3 weeks) Linear Equations</u></b> Understanding Equality and Balancing Solving One and Two Step Equations (including Brackets) Solving Equations with an Unknown on Both</p>	<p><b><u>NP9 (3 weeks) Estimation &amp; Use of a Calculator</u></b> Rounding Errors Upper and Lower Bounds Truncation Error Intervals Approximating Calculations including Powers and Roots Using Percentage Multipliers to Calculate a Percentage of Amount Calculations and Estimations of Time with and without a Calculator Understanding Timetables</p> <p><b><u>GM2 (3 weeks) Polygons and Angles</u></b> Types of Angles Estimating Angles Finding angles and using Angles on a Straight Line, Around a Point and Vertically Opposite Angles to Solve Problems <b><u>Triangles, Quadrilaterals &amp; Other Polygons</u></b> Naming, Labelling and Recognising the Features</p>	<p><b><u>NP10 (3 weeks) Proportional Reasoning</u></b> Calculating Simple Direct and Inverse Proportion Problems Numerically Comparing Quantities (Best Value for Money, Exchange Rates etc) Using Proportion to solve Scaling Up and Down Problems e.g. Recipes Portions, Enlargements of Shapes Converting between Unites of Time, Length, Capacity and Mass Reading Scales in Context Percentage Increase and Decrease Finding a Percentage Change</p> <p><b><u>SP1 (3 weeks) Discrete Data</u></b></p>	<p><b><u>GM3 (2 weeks) Area</u></b> Calculating Area by Counting Squares Calculate the Area of Triangles, Quadrilaterals, Rectilinear Shapes, Circles and Compound Shapes Problem Solve involving Area</p> <p><b><u>NP11 (3 weeks) Ratio</u></b> Ratio Notation Expressing Relationships as Ratios Simplifying Ratios Apply Ratios to Scale Drawings and Maps Converting between Fractions and Ratios Finding the Value of Parts of a Ratio given other Parts or the Whole</p>	<p><b><u>A5 (2 weeks) Formulae</u></b> Function Machines Inputs and Outputs Evaluating Expressions and Formulae by Substitution Writing Formulae in Words and Letters Generating Sequences from Formulae Rearranging Linear and Non-Linear Formulae including Powers and Roots</p> <p><b><u>A6 (4 weeks) The Cartesian Grid</u></b> Drawing an accurate Cartesian Grid Plotting and Identifying Co-ordinates Introduction to Two Dimensional Vectors Finding the Mid-Point of a Line Segment Expressing Number Relationships Algebraically Drawing and Recognising Graphs of <math>y=n</math> and <math>x=n</math> Plotting Linear and Quadratic Number</p>

		Sides (including Brackets) Solving Simple Equations when the Unknown is the denominator Forming and Solving Equations	including the Sum of the Angles (Triangle & Quadrilaterals) Understanding Angles in Parallel Lines Bearings			Relationships on a Cartesian Grid Identify Gradients and Y-Intercepts and using these to write an Equation Identify Parallel Lines
Sequencing						
Extended Learning	MathsWatch Homework for revision and extension	MathsWatch Homework for revision and extension	MathsWatch Homework for revision and extension	MathsWatch Homework for revision and extension	MathsWatch Homework for revision and extension	MathsWatch Homework for revision and extension
Formal Assessment	Topic Tests to identify knowledge retained and inform retrieval starters for next term	Topic Tests to identify knowledge retained and inform retrieval starters for next term	Topic Tests to identify knowledge retained and inform retrieval starters for next term	Topic Tests to identify knowledge retained and inform retrieval starters for next term	Topic Tests to identify knowledge retained and inform retrieval starters for next term	Topic Tests to identify knowledge retained and inform retrieval starters for next term
Year 9						
Topic/Focus	<p><b><u>Number Recap</u></b> Pupils given time to retrieve basic number knowledge based on catch up curriculum</p> <p><b><u>NP12 (3 weeks) Standard Form</u></b> Writing numbers in standard form. Carrying out calculations in standard form. Understand SI prefixes in engineering form</p>	<p><b><u>A7 (3 weeks) Sequences</u></b> Be able to find missing values in sequences. Know the 4 types of sequence. Find and use the nth term of a linear sequence. Relate sequences to graphs and real life</p> <p><b><u>A8 (3 Weeks) Linear Inequalities</u></b> Representing inequalities on a number line. Finding values that satisfy an inequality. Setting up inequalities in context. Solving inequalities.</p>	<p><b><u>SP2 (2 weeks) Bivariate Data &amp; Time Series</u></b> Draw a scatter graph. Understand the different types of correlation. Draw and use a line of best fit. Instruct and interpret a time series graph. Calculate and use a moving average.</p> <p><b><u>SP3 (4 weeks) Introduction to Probability</u></b> Know how to write a probability as a fraction, decimal, and percentage. Know that probability adds up to 1.</p>	<p><b><u>A10 (6 weeks) Advanced Linear Graphs and Equations</u></b> Backed up this year by <b><u>A6 - The Cartesian Grid</u></b> as part of the catch-up curriculum due to COVID.</p> <p>Drawing algebraic graphs. Understanding that these are based on coordinates and how the lines are named. Plotting by calculating points. Understand how to calculate the gradient of a line.</p>	<p><b><u>GM5 - Right-Angled Triangles</u></b> Calculate missing sides on triangles using Pythagoras Theorem. Calculate missing sides and angles in right angled triangles using trigonometry. Learn off by heart the exact trig values</p> <p><b><u>NP13 - Advanced Proportion and Rates of Change</u></b> Reverse percentages. Direct and inverse proportion both</p>	<p><b><u>Complete NP13</u></b> This topic spans across summer 1 and summer 2.</p> <p><b><u>GM6 – Circles</u></b> Learning the parts of the circle. Finding circumference of circles, perimeter of sectors, area of both circles and sectors. Answering questions in terms of pi. Identify and use circle theorems.</p> <p><b><u>GM7 - Advanced Drawing, Measuring and Constructing</u></b></p>

		Representing regions on graphs.	Create and use sample space, two-way tables, frequency trees, and venn diagrams and be able to calculate probabilities from them.	Know which part of the equation of the line is the gradient and which is the y intercept. Understand parallel and perpendicular lines.  Solving simultaneous equations graphically, and by elimination.	algebraically and graphically. Understand compound units and how to convert between them. Ratio problems - combining ratios, finding parts, differences and wholes; mixing ratios with fractions (part/part and part/whole)	Calculate interior and exterior angles in regular polygons. Converting between 2D and 3D units of measurement. Naming Polyhedra. 2D representations of 3D objects. Planes of symmetry. Plans and elevations. Loci.
Sequencing	Standard form naturally follows as a higher level of number calculations	Following on from A3/A4 in year 8 on basic algebra, collecting terms and solving equations	Pupils have studied basic statistical diagrams in year 8. This moves them from discrete data to bivariate data and finding probability.	A6 follows on from the algebra taught in year 8. A10 builds upon A6 which why this needs to be recapped due to covid and A4 on equations taught in year 8.	GM5 follows on from GM1&2 studied in year 7 and year 8 on naming 2D shapes and angles to a much more demanding topic of pythagoras and trigonometry. this also builds on squares and roots. NP13 follows on from NP10 on proportion studied in year 8.	GM6 continues the themes of shape from year 7 and year 8.  GM7 follows on from basic construction of shapes from lengths and angles in GM1 moving from 2D into 3D drawing.
Extended Learning	MathsWatch Homework for revision and extension	MathsWatch Homework for revision and extension	MathsWatch Homework for revision and extension	MathsWatch Homework for revision and extension	MathsWatch Homework for revision and extension	MathsWatch Homework for revision and extension
Formal Assessment	Topic Tests to identify knowledge retained and inform retrieval starters for next term	Topic Tests to identify knowledge retained and inform retrieval starters for next term	Topic Tests to identify knowledge retained and inform retrieval starters for next term	Topic Tests to identify knowledge retained and inform retrieval starters for next term	Topic Tests to identify knowledge retained and inform retrieval starters for next term	Topic Tests to identify knowledge retained and inform retrieval starters for next term
Year 10						
Qualification	Edexcel GCSE Mathematics					

Topic	<p><b><u>Number (3 weeks) N1</u></b>  <b><u>Foundation:</u></b>            Place Value            Square, Cubes &amp; Roots            Laws of Indices            Calculations with integers and decimals.            Order of Operations            Rounding- integer, decimal place and significant figure            Estimation            Multiples, LCM            Factors, HCF            Primes, Product of Primes            Using Product of Primes to find HCF &amp; LCM</p> <p><b><u>Higher:</u></b>  <u>Rounding-</u> integer, decimal place and significant figure            Estimation  <u>Primes, Product of Primes</u>            Using Product of Primes to find HCF &amp; LCM  <u>Laws of Indices</u> including negative and fractional indices  <u>Standard Form-</u>            Converting between Standard Form and Original Numbers.</p>	<p><b><u>Algebra (2 weeks following on from AU1) A1 &amp; A2</u></b>  <b><u>Foundation:</u></b>  <u>Inequalities-</u>            Using the correct notation for inequalities including composite inequalities and representing them on a number line.            Writing the integers that satisfy composite inequalities.            Solving Linear and Composite Inequalities including those with brackets and an unknown on both sides  <u>Sequences-</u>            Understanding the different types of sequences            Generating sequences using the term to term rule and the Nth term.            Extending sequences and finding missing numbers in the sequence            Finding a position in the sequence using the Nth term rule            Calculating the Nth Term of an arithmetic sequence and using it to</p>	<p><b><u>Data (3 weeks following on from AUT2) D1, D2 &amp; D3</u></b>  <b><u>Foundation:</u></b>  <u>Graphs-</u>            Constructing and interpreting Line Graphs, Time Series graphs, Stem and Leaf Diagrams, Pie Charts and Scatter Graphs  <u>Venn Diagrams-</u>            Understanding the set notation of Venn Diagrams            Constructing and interpreting Venn Diagrams  <u>Tree Diagrams-</u>            Constructing and interpreting Frequency and Probability Trees including independent and dependant Probability Trees</p> <p><b><u>Higher:</u></b>            Constructing and Interpreting Cumulative Frequency Graphs, Box Plots, Frequency Polygons and Histograms.  <u>Venn Diagrams-</u></p>	<p><b><u>Shape- Angles (3 weeks following on from SPR2) S1 &amp; S4</u></b>  <b><u>Foundation:</u></b>            Use Pythagoras Theorem to calculate missing sides            Use Trigonometry to find missing sides and angles</p> <p><b><u>Higher:</u></b>            Upper and Lower Bounds            Sine, Cosine and Tangent Graphs            Calculating area using the Sine and Cosine Rule            3D Pythagoras and Trigonometry            Transformations of Trigonometric Graphs</p> <p><b><u>Algebra- Graphs A3</u></b>  <b><u>Foundation:</u></b>            Plotting and Interpreting Co-ordinates including finding the midpoint            Drawing and Recognising Graphs of <math>y=n</math> and <math>x=n</math>            Constructing Linear Graphs linking to <math>y=mx+c</math> rule.            Calculating Gradient, Y-intercept and Equation of a Linear Graphs            Construct and interpret Real Life Graphs</p>	<p><b><u>Number- Fractions, Decimals, Percentages, Ratio and Proportion (6 weeks) N2 &amp; N3</u></b>  <b><u>Foundation:</u></b>            All operations with fractions            Converting between Fractions, Decimals and Percentages  <u>Percentages- including non-calculator and calculator methods</u>            Finding Percentage of an Amount            Increase and Decrease by a Percentage            Calculating Percentage Change            Calculating Simple and Compound Interest  <u>Ratio &amp; Proportion-</u>            Ratio Notation            Simplifying Ratios            Sharing an Amount into a Ratio            Solving Problems with Ratios            Using ratios to convert between units and enlargements            Unitary method to solve proportion problems            Best Value for Money  <u>Direct and Inverse Proportion-</u></p>	<p><b><u>Shape- Perimeter, Area and Volume (6 weeks) S2 &amp; S6</u></b>  <b><u>Foundation:</u></b>  <u>Calculating Area and Perimeter of:</u>            Triangle            Rectangles            Parallelograms            Trapeziums            Circles (Circumference)            Sectors            Compound Shapes  <u>Volume:</u>            Cube/Cuboid            Prism            Cone            Sphere  <u>Surface Area:</u>            Cube/Cuboid            Prism            Pyramid            Cone            Sphere</p> <p>Converting between Metric Units</p> <p><b><u>Higher:</u></b>  <u>Calculating Area and Perimeter of:</u>            Triangle            Rectangles            Parallelograms            Trapeziums            Circles (Circumference)</p>
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<p>Calculating in Standard Form</p> <p>Rational and Irrational Numbers</p> <p><u>Surds</u>- Simplifying, Adding, Subtracting, Multiplying and Dividing</p> <p>Multiplying Surds with Brackets</p> <p>Rationalising the Denominator</p> <p><b><u>Algebra (4 weeks plus 2 weeks in AUT2) A1 &amp; A2</u></b></p> <p><b><u>Foundation:</u></b></p> <p>Simplifying Algebraic Expressions</p> <p>Writing Expressions</p> <p>Index Laws with Algebra</p> <p>Difference between Expression, Equation, Formula and Identity</p> <p>Substitution</p> <p>Expanding Single Brackets including Adding or Subtracting them.</p> <p>Factorising Single Brackets</p> <p>Solving Equations including Equations with an Unknown on Both Sides and Brackets Form and Solve Equations</p>	<p>determine if a number is in the sequence</p> <p><b><u>Higher:</u></b></p> <p><b><u>Sequences-</u></b></p> <p>Understanding the different types of sequences</p> <p>Generating sequences using the Nth term (linear and quadratic)</p> <p>Extending sequences and finding missing numbers in the sequence</p> <p>Finding a position in the sequence using the Nth term rule.</p> <p>Calculating the Nth Term of an arithmetic and quadratic sequences and using it to determine if a number is in the sequence</p> <p>Solve problems using Geometric sequences</p> <p>Using the Fibonacci sequence to work out other terms algebraically</p> <p><b><u>Data (5 weeks plus 3 weeks in SPR1) D1, D2 &amp; D3</u></b></p> <p><b><u>Foundation:</u></b></p> <p>Converting a Tally Chart into a Frequency Table</p>	<p>Understanding the set notation of Venn Diagrams</p> <p>Constructing and interpreting Venn Diagrams</p> <p>Using them to calculate probability</p> <p><b><u>Tree Diagrams-</u></b></p> <p>Constructing and interpreting Frequency and Probability Trees including Independent and Dependant Probability Trees</p> <p>Using them to calculate probability</p> <p><b><u>Shape- Angles (3 weeks plus 3 weeks in SPR2) S1 &amp; S4</u></b></p> <p><b><u>Foundation:</u></b></p> <p>Properties of 2D shapes</p> <p>Calculate missing angles in triangles, quadrilaterals and on parallel lines</p> <p>Calculate and understand Interior and Exterior angles of regular and irregular polygons</p> <p>Use algebra to solve angle problems</p> <p>Use Pythagoras Theorem to calculate missing sides</p>	<p>including Distance-Time Graphs</p> <p><b><u>Higher:</u></b></p> <p>Constructing Linear Graphs linking to <math>y=mx+c</math> rule including Quadratic, Cubic and Reciprocal Graphs</p> <p>Calculating Gradient, Y-intercept and Equation of a Linear Graphs and Parallel and Perpendicular Lines</p> <p>Construct and interpret Real Life Graphs including Distance-Time Graphs and Graphing Rates of Change</p> <p>Construct Graph of a Circle</p>	<p>Identify Graphs and Word Problems</p> <p><b><u>Higher:</u></b></p> <p>All operations with fractions</p> <p>Recurring decimals to fractions</p> <p>Converting between Fractions, Decimals and Percentages</p> <p><b><u>Percentages- including non-calculator and calculator methods</u></b></p> <p>Finding Percentage of an Amount</p> <p>Increase and Decrease by a Percentage</p> <p>Reverse Percentages</p> <p>Calculating Percentage Change</p> <p>Calculating Simple and Compound Interest</p> <p>Growth and Decay Problems</p> <p><b><u>Direct and Inverse Proportion-</u></b></p> <p>Identify Graphs and Solve Word Problems</p> <p>Write and solve equations to solve proportion problems including square and cubic proportionality</p>	<p>Sectors</p> <p>Compound Shapes</p> <p><b><u>Volume:</u></b></p> <p>Cube/Cuboid</p> <p>Prism</p> <p>Cone</p> <p>Sphere</p> <p>Frustrum</p> <p><b><u>Surface Area:</u></b></p> <p>Cube/Cuboid</p> <p>Prism</p> <p>Pyramid</p> <p>Cone</p> <p>Sphere</p> <p>Length of Arc</p> <p>Converting between Metric Units including Area and Volume</p> <p><b><u>Congruence:</u></b></p> <p>Understand and Prove Congruence</p> <p>Congruence of Triangles</p> <p><b><u>Similarity:</u></b></p> <p>Use Ratio to Work out Scale Factors</p> <p>Finding Missing Lengths on Similar Shapes</p> <p>Using the Link between Scale Factors for Length, Area and</p>
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	<p><b>Higher:</b> Index Laws with Algebra including Fractional and Negative Indices Expanding Single and Double Brackets including Adding or Subtracting them. Factorising Single and Double Brackets Solving Linear Equations including Equations with an Unknown on Both Sides and Brackets Solving Quadratic Equations by Factorising, Completing the Square and Using the Formula. Form and Solve Equations Solving Inequalities and Representing the Answer on a Number line including Composite Inequalities <u>Simultaneous Equations</u>- Solve Linear and Quadratic Simultaneous Equations including on a graph (graphs given) and algebraically Form and Solve Linear Simultaneous Equations</p>	<p>Calculating the mode, range, median and mean from a list, frequency table and a group frequency table. Comparing data using the mean, mode and range. <u>Sampling</u>- Understand the need for it and how random and stratified sampling works. <u>Probability</u>- Calculate probability from equally likely and mutually exclusive events including the probability of these events not happening Find the different and number of outcomes using a listing strategy, a sample space and two-way tables. Use these to find the probability of events happening. <u>Experimental Probability</u>- understand, interpret and work out expected results Construct and interpret composite and comparative bar charts including histograms with equal class widths</p>	<p>Use Trigonometry to find missing sides and angles  <u>Higher:</u> Properties of Triangles Calculate and understand Interior and Exterior angles of regular and irregular polygons Use Pythagoras Theorem to calculate missing sides Use Trigonometry to find missing sides and angles</p>		<p>Recognise and sketch graphs of exponential functions <u>Non-Linear Graphs</u>- Calculate the gradient of the tangent at a point Estimate the area under a graph using area of a trapezium Translating graphs of functions including stretching and reflecting</p>	<p>Volume to Solve Problems</p>
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		<p><b>Higher:</b> Calculating the mode, range, median and mean from a frequency table and a group frequency table. Comparing data using the mean, mode and range.</p> <p><u>Sampling-</u> Understand the need for it and how random and stratified sampling works.</p> <p><u>Probability-</u> Calculate probability from equally likely and mutually exclusive events including the probability of these events not happening Find the different and number of outcomes using a listing strategy, a sample space and two-way tables. Use these to find the probability of events happening.</p> <p><u>Experimental Probability-</u> understand, interpret and work out expected results</p> <p><u>Graphs-</u> Constructing and interpret Time Series Graphs, Stem and</p>			
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		Leaf Diagrams, Pie Charts and Scatter Graphs				
Sequencing	<p>All maths is rooted in number so the start of the GCSE course begins with core number skills necessary to be successful in the exam.</p> <p>The topics from both units follow on from each other and this allows for more fluent teaching. Therefore, the pupils will have gained a deeper understanding of the topics. For example- Factorising quadratics leads onto solving quadratics by factorising. So linking these together allows pupils to see the links between the different areas of algebra.</p>	<p>The topics from all three units follow on from each other and this allows for more fluent teaching. Therefore, the pupils will have gained a deeper understanding of the topics. For example- in Table, Graph, and Diagram questions you will be asked to find the mode, median, range, mean and probability of events occurring. Therefore they need to learn about these before learning about the different tables, graphs and diagrams and be able to link these all together.</p>	<p>S4 follows on from S1. S4 builds on the shape knowledge learnt in the S1. This allows for more fluent teaching. Therefore, the pupils will have gained a deeper understanding of the topics. For example- in the higher unit they learn how to use sine, cosine and tangent with right angle triangles moving onto non right angle triangles in S4</p>		<p>The topics from both units follow on from each other and this allows for more fluent teaching. Therefore, the pupils will have gained a deeper understanding of the topics. For example- you use fractions, decimals and percentages in probability questions.</p>	<p>The topics from both units follow on from each other and this allows for more fluent teaching. Therefore, the pupils will have gained a deeper understanding of the topics. For example- pupils need to know how to find the area of a circle and sectors before finding the area of compound shapes.</p>
Extended Learning	Dr Frost Homework and Revision tasks linked to Topic Tests	Dr Frost Homework and Revision tasks linked to Topic Tests	Dr Frost Homework and Revision tasks linked to Topic Tests	Dr Frost Homework and Revision tasks linked to Topic Tests	Dr Frost Homework and Revision tasks linked to Topic Tests	Dr Frost Homework and Revision tasks linked to Topic Tests
Formal Assessment	Topic Tests using past paper questions	Topic Tests using past paper questions	Topic Tests using past paper questions	Topic Tests using past paper questions	Topic Tests using past paper questions. SUM1 Mock- Full exam series	Topic Tests using past paper questions
<b>Year 11</b>						
Qualification	Edexcel GCSE Mathematics					
Topic						
Sequencing						

Extended Learning	Dr Frost Homework and Revision tasks linked to Topic Tests	Dr Frost Homework and Revision tasks linked to Topic Tests	Dr Frost Homework and Revision tasks linked to Topic Tests	Dr Frost Homework and Revision tasks linked to Topic Tests		
Formal Assessment	Topic Tests using past paper questions	Topic Tests using past paper questions. AUT2 Mock- Full exam series	Topic Tests using past paper questions	Topic Tests using past paper questions. SPR2 Mock- Full exam series		
Post Year 11						
Further Education/training in:				Employment in: Anything and everything		