

<p><b>Year 7 Mathematics</b></p> <p><b><u>Autumn</u></b>  <b><u>Kensuke's Kingdom</u></b>  Enlargement  Estimations  Coordinates  Time  Costing  Origami  Sudoku and Japanese Numbers  Vectors  Ratio</p> <p><b><u>Number</u></b>  Long Multiplication and Division  Place Value and Rounding  Approximations and Estimations  Fractions, Decimals and Percent Conversion  Negative Numbers  Ordering Numbers  Multiples, Factors and Primes  Squares, Cubes and Roots  Calculator Skills  Basic Indices  Product of Primes, HCF and LCM  Fractions  Fractions of Amount  Percentages of Amounts  Ratio and Proportion  Currency Conversion</p>	<p><b><u>Spring</u></b>  <b><u>Algebra</u></b>  Basic Co-ordinates  Basic Algebra  Expanding Brackets  Factorising  Linear equations  Inequalities  Number Sequences  Changing the Subject of a Formula  Graphs of Equations  Midpoints and Coordinates</p> <p><b><u>Shape</u></b>  Basic Angles  Properties of 3D Shapes  Nets  Symmetry  Congruent and Similar Shapes  Labelling Circles  Units of Measurement  Polygons  Further Angles  Plans and Elevations  Transformations  Perimeter and Area of Shapes  Circumference and Area of Circles  Basic Volume  Basic Surface Area  Pythagoras' Theorem  Bearings</p>	<p><b><u>Summer</u></b>  <b><u>Data</u></b>  Pictograms  Bar Charts  Averages and Ranges  Probability Scales  Reading Tables and Timetables  Reading Scales  Pie Charts  Two Way Tables  Scatter Graphs  Further Averages  Further Probability  Cumulative Frequency  Box Plots  Probability Tree Diagrams</p> <p>Revision for Assessment</p>
<p><b>Assessment &amp; Exams</b></p>		
<p><b>Autumn 1</b>  Baseline Test  Classwork Assessment Booklets</p> <p><b>Autumn 2</b>  Classwork Assessment Booklets  Number Test  End of Term Assessment</p>	<p><b>Spring 1</b>  Algebra Test  Classwork Assessment Booklets</p> <p><b>Spring 2</b>  Classwork Assessment Booklets  Shape Test  Year 7 Exam Week</p>	<p><b>Summer 1</b>  Exam Paper 2  Classwork Assessment Booklets</p> <p><b>Summer 2</b>  Classwork Assessment Booklets  Data Test  End of Year Assessment</p>

<b>Year 8 Mathematics</b>		
<p><b><u>Autumn</u></b></p> <p><b><u>Number</u></b>            Long Multiplication and Division            Place Value and Rounding            Approximations and Estimations            Fractions, Decimals and Percent Conversion            Negative Numbers            Ordering Numbers            Multiples, Factors and Primes            Squares, Cubes and Roots            Calculator Skills            Basic Indices            Product of Primes, HCF and LCM            Fractions            Fractions of Amount            Percentages of Amounts            Ratio and Proportion            Currency Conversion            Standard Form            Further Percentages            Simple and Compound Interest            Upper and Lower Bounds</p>	<p><b><u>Spring</u></b></p> <p><b><u>Algebra</u></b>            Basic Co-ordinates            Basic Algebra            Expanding Brackets            Factorising            Linear equations            Inequalities            Number Sequences            Changing the Subject of a Formula            Graphs of Equations            Midpoints and Coordinates            Quadratic Equations            Simultaneous Equations</p> <p><b><u>Shape</u></b>            Basic Angles            Properties of 3D Shapes            Nets            Symmetry            Congruent and Similar Shapes            Labelling Circles            Units of Measurement            Polygons            Further Angles            Plans and Elevations</p>	<p><b><u>Summer</u></b></p> <p><b><u>Data</u></b>            Pictograms            Bar Charts            Averages and Ranges            Probability Scales            Reading Tables and Timetables            Reading Scales            Pie Charts            Two Way Tables            Scatter Graphs            Further Averages            Further Probability            Cumulative Frequency            Box Plots            Probability Tree Diagrams</p> <p>Revision for Assessment</p>
<b>Assessment &amp; Exams</b>		
<p><b>Autumn 1</b>            Baseline Test            Classwork Assessment Booklets</p> <p><b>Autumn 2</b>            Classwork Assessment Booklets            Number Test</p>	<p><b>Spring 1</b>            Classwork Assessment Booklets            Algebra Test            Year 8 Exam Week</p> <p><b>Spring 2</b>            Classwork Assessment Booklets            Shape Test            Year 8 End of Term Assessment</p>	<p><b>Summer 1</b>            Classwork Assessment Booklets            Data Test</p> <p><b>Summer 2</b>            Classwork Assessment Booklets            End of Year Assessment</p>

<b>Year 9 Mathematics</b>		
<p><b><u>Autumn</u></b>  <b><u>Number 1</u></b>            Long Multiplication &amp; Division            Place Value and Using Multiplication Facts            Rounding and estimating Convert, compare and order            FDP's            Calculator Skills            Direct Proportion (non-algebraic)            Prime factor decomposition &amp; HCF and LCM            Combinations            Basic Indices            Zero, negative and fractional indices            Upper and lower bounds            Surds</p> <p><b><u>Algebra 1</u></b>            Basic Algebra            Solve Basic Equations            Expand linear expressions            Expand quadratic and cubic expressions            Factorise linear expressions            Factorise quadratic expressions            Linear &amp; Quadratic Sequences            Simplify Algebraic Fractions            Multiply and divide algebraic Fractions            Add and subtract algebraic fractions            Direct and Indirect Proportion (Algebraic)</p>	<p><b><u>Spring</u></b>  <b><u>Algebra 1 – Cont...</u></b>            Add and subtract algebraic fractions            Direct and Indirect Proportion (Algebraic)</p> <p><b><u>Shape 1</u></b>            Area and Perimeter of 2D shapes            Circumference and area of a circle            Basic angle facts with reasoning            Angles on parallel Lines            Interior and exterior angles            Surface Area            Volume of prisms            Compound Measures            Pythagoras Theorem            Volume and surface area of cylinders and spheres            Volume of pyramid and cone            Surface area of pyramid and cones</p> <p><b><u>Statistics 1</u></b>            Scatter graphs            Probability            Time series            Venn Diagrams            Sampling (stratified and random)            Tree Diagrams            Conditional Probability</p>	<p><b><u>Summer</u></b>  <b><u>Algebra 2</u></b>            Solve more complex equations            Create and solve equations            Solving and representing inequalities            Rearrange formula            Rearranging more difficult formulae            Solving simultaneous equations            Functions            Composite Functions            Solving Quadratic Equations            Solving quadratic equations by completing the square            Proof</p> <p>Revision for Exams</p> <p>Functional Questions &amp; Exam Skills</p>
<b>Assessment &amp; Exams</b>		
<p><b><u>Autumn 1</u></b>            Classwork Assessment Booklets            Number Test</p> <p><b><u>Autumn 2</u></b>            Classwork Assessment Booklets            Algebra Test            Exam Paper 1</p>	<p><b><u>Spring 1</u></b>            Shape Test            Classwork Assessment Booklets</p> <p><b><u>Spring 2</u></b>            Exam Paper 2            Statistics Test            Classwork Assessment Booklets</p>	<p><b><u>Summer 1</u></b>            Exam Week Papers 1 &amp; 2            Algebra 2 Topic Test</p> <p><b><u>Summer 2</u></b>            Exam Paper 3            Classwork Assessment Booklets</p>

<b>Year 10 Mathematics</b>		
<p><b>Autumn</b> <b>Number</b> Long Multiplication &amp; Division Place Value, Rounding and Estimation Fractions, Decimals and Percent Conversion Negative Numbers Ordering Numbers General Arithmetic Multiples, Factors and Primes Squares, Cubes and Roots Basic Indices Product of Primes, HCF and LCM Fractions Fractions and Percentage of Amounts Ratio and Proportion Currency Conversion Calculator Skills Standard Form Further Percentages Simple and Compound Interest Upper and Lower Bounds Converting Recurring Decimals into Fractions Fractional and Negative Indices Surds</p> <p><b>Algebra</b> Basic Co-ordinates Basic Algebra Expanding Brackets</p>	<p><b>Spring</b> <b>Algebra - Continued</b> Factorising Algebra Linear equations Inequalities Number Sequences Direct and Inverse Proportion Changing the Subject of a Formula Graphs of Equations Midpoints and Coordinates Quadratic Equations Simultaneous Equations</p> <p><b>Shape</b> Basic Angles Properties of 3D Shapes Nets Symmetry Congruent and Similar Shapes Labelling Circles Units of Measurement Polygons Further Angles Plans and Elevations Transformations Perimeter and Area of Shapes Circumference and Area of Circles Basic Volume</p>	<p><b>Summer</b> <b>Shape – Continued</b> Basic Surface Area Pythagoras' Theorem Bearings Loci Circle Theorems</p> <p><b>Data</b> Pictograms Bar Charts Averages and Ranges Probability Scales Reading Tables and Timetables Reading Scales Pie Charts Two Way Tables Scatter Graphs Further Averages Further Probability Cumulative Frequency Box Plots Probability Tree Diagrams Conditional Probability</p> <p>Revision for EOY Examinations. Functional Questions &amp; Exam Skills.</p>
<b>Assessment &amp; Exams</b>		
<p><b>Autumn 1</b> Classwork Assessment Booklets</p> <p><b>Autumn 2</b> Classwork Assessment Booklets Number Test GCSE Exam Paper</p>	<p><b>Spring 1</b> Algebra Test Classwork Assessment Booklets</p> <p><b>Spring 2</b> Shape Test GCSE Exam paper</p>	<p><b>Summer 1</b> Classwork Assessment Booklets</p> <p><b>Summer 2</b> Classwork Assessment Booklets Data Test Year 10 Mock Exams</p>

<b>Year 11 Mathematics</b>		
<p><b>Autumn</b>  <b>Number</b>  Long Multiplication &amp; Division  Place Value, Rounding and Estimation  Fractions, Decimals and Percent Conversion  Negative Numbers  Ordering Numbers  Multiples, Factors and Primes  Squares, Cubes and Roots, Basic Indices  Product of Primes, HCF and LCM  Fraction Calculations, Fractions and Percentage of Amounts  Ratio and Proportion  Currency Conversion, Calculator Skills  Standard Form  Further Percentages  Simple and Compound Interest  Upper and Lower Bounds  Converting Recurring Decimals into Fractions  Fractional and Negative Indices  Surds</p> <p><b>Algebra</b>  Basic Co-ordinates  Basic Algebra  Expanding Brackets  Factorising  Linear equations  Inequalities  Number Sequences  Direct and Inverse Proportion  Changing the Subject of a Formula  Graphs of Equations  Midpoints and Coordinates  Quadratic Equations  Simultaneous Equations</p>	<p><b>Spring</b>  <b>Shape</b>  Basic Angles  Properties of 3D Shapes &amp; Nets  Symmetry, Congruent and Similar Shapes  Labelling Circles  Units of Measurement  Polygons  Further Angles  Plans and Elevations  Transformations  Perimeter and Area of Shapes  Circumference and Area of Circles  Basic Volume  Basic Surface Area  Pythagoras' Theorem  Bearings  Loci  Circle Theorems</p> <p><b>Data</b>  Pictograms  Bar Charts  Averages and Ranges  Probability Scales  Reading Tables and Timetables  Reading Scales  Pie Charts  Two Way Tables  Scatter Graphs  Further Averages  Further Probability  Cumulative Frequency  Box Plots  Probability Tree Diagrams  Conditional Probability</p>	<p><b>Summer</b>  Revision covering examination questions across all topics covered in Years 10 &amp; 11.</p>
<b>Assessment &amp; Exams</b>		
<p><b>Autumn 1</b>  Classwork Assessment Booklets</p> <p><b>Autumn 2</b>  Mock Paper 3 GCSE Exam  Classwork Assessment Booklets  Number &amp; Algebra Test</p>	<p><b>Spring 1</b>  Classwork Assessment Booklets  Shape &amp; Data Test  Year 11 Mock Exam</p> <p><b>Spring 2</b>  Classwork Assessment Booklets  Data Test</p>	<p><b>Summer 1</b>  GCSE Exams  Paper 1: 24<sup>th</sup> May 2018  Paper 2: 7<sup>th</sup> June 2018  Paper 3: 12<sup>th</sup> June 2018</p>