



	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 7	<p><b><u>Calculating</u></b> Working with positive and negative numbers Number skills and calculations (Pi 1 Unit 1) The four operations – (Pi 1 Unit 2)</p>	<p><b><u>Analysing &amp; displaying data</u></b> Display and analyse data (Pictogram, bar chart, tally charts) Find the mean, mode and median for simple data Fraction/decimal and percentages (Unit 1: Pi 1 )</p>	<p><b><u>Angles and lines</u></b> Recognise parallel and perpendicular Lines (Pi 1) Describe angles using the words; reflex, straight, obtuse, acute and right. Area and perimeter</p>	<p><b><u>Ratio and proportion</u></b> Simplify Ratio proportion Decimals and measure</p>	<p><b><u>Probability</u></b> Number properties and calculations (Pi 1 Unit 1) Decimals and measure Fractions and percentages</p>	<p><b><u>Transformations</u></b> Reflection Rotation Enlargement  End of Year Recap Topics</p>
Year 8	<p><b><u>Number properties</u></b> calculations Number properties and calculations (Pi 2 Unit 1) Factors, multiples, LCM, HCF</p>	<p><b><u>Dealing with data</u></b> Collecting data Display and analyse data (Pictogram, bar chart, tally charts) Fraction/decimal and percentages Find the mean, mode and median for grouped data (Unit 3: Pi 3 and Theta (θ) ) Expressions and equations</p>	<p><b><u>Angles</u></b> Angles in a triangle, straight line Use of protractor Properties of angles <b>Shapes and measures in 3D</b> derive and apply formulae to calculate and solve problems involving volume of cuboids (including cubes) Area and perimeter</p>	<p><b><u>Multiplication Reasoning Unit 7</u></b> Using ratio Using proportion Measures and conversion</p>	<p><b><u>Probability</u></b> Number properties and calculations (Pi 2 Unit 1) <b>Fractions and percentages:</b> · Use the four operations, including formal written methods, with positive and negative fractions · Interpret percentages and percentage changes as a fraction or a decimal. · Interpret fractions and percentages as operators</p>	<p><b><u>Sequence/graphs</u></b> Sequence: Generate terms of a sequence from a term-to-term rule  End of Year Recap Topics</p>
Year 9	<p><b><u>Number Calculations</u></b> · Use the four operations, including formal written methods, with positive and negative improper fractions and mixed numbers · Use conventional notation for the priority of operations, including brackets, powers, roots and reciprocals · Use integer powers and associated real roots (square, cube and higher) · Recognise powers of 2, 3, 4 &amp; 5.</p>	<p><b><u>Statistics/Multiplication Reasoning Unit 3;1</u></b> Planning a survey Collecting data Display and analyse data Scatter diagram Averages from frequency table Multiplication Reasoning Unit 3;1 (Unit 3: Pi 3 and Theta (θ) )</p>	<p><b><u>Functional Skills syllabus for practice</u></b> Numbers Measures Data Handling <u>Geometry of 2D and 3D Shapes</u> Volumes of cuboids, Describe, sketch and draw using conventional terms and notations: points, lines, parallel lines, perpendicular lines, right angles, regular polygons, &amp; other polygons that are reflectively and rotationally symmetric.</p>	<p><b><u>Multiplicative reasoning</u></b> · Solve proportion problems including graphical and algebraic representations · Use compound units such as speed, unit pricing and density to solve problems · Use standard units of mass, length, time, money and other measures, including with decimal quantities</p>	<p><b><u>Probability (Unit:9)</u></b> (Unit 9: Pi 3 and Theta (θ) ) Algebraic &amp; Geometric formulae/Real graphs Functional Skills/Practice  Sequences and equations</p>	<p><b><u>Polygons &amp; transformations (unit 10)</u></b> Functional Skills/ Projects  GCSE Maths Syllabus Continued  End of Year Recap Topics</p>