

Curriculum Offer 2021/22 Year 7/8

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Numbers and the number system (Fractions, Negative numbers)</p> <p>Calculations Multiplying and dividing, including decimals Factors and multiples BIDMAS</p> <p>Pythagoras revisited Circles Averages and range Index Laws Constructions and loci</p>	<p>Algebra Expression, simplifying multiplying brackets</p> <p><u>Solving equations, factorising substitution</u></p> <p>Forming equations <u>Sequences</u></p> <p><u>Nth term and also relating to straight lines</u></p> <p>Shape space and measures <u>Perimeter and area</u></p> <p>Number review Rules of algebra Errors and estimating Fractions Percentage Change Rules of algebra recap Transformations</p>	<p><u>Angle reasoning</u></p> <p><u>Metric and imperial, investigation</u></p> <p>Handling data <u>Mean, median, mode charts</u></p> <p><u>probability</u></p> <p>Numbers and the number system Fractions +, -, *, / mixed numbers, integers</p> <p>Number Review Test 3</p> <p>Multiply out brackets</p> <p>Factorising into double brackets</p> <p>Factorising into double brackets</p> <p>All topic test</p>	<p>Factors and multiples Puzzle week</p> <p>Estimating and checking Rounding, estimating</p> <p>Skills check week *, / by decimals, nasty fractions and negatives</p> <p>Feedback lesson Surds Drawing + interpreting $y = mx + c$</p> <p>Drawing + interpreting $y = mx + c$</p> <p>Probability</p> <p>Inequalities</p>	<p>Using a calculator</p> <p>Bidmas and using e.g. mixed fractions</p> <p>Fractions decimals and percentages</p> <p>Converting fdp, easy recurring decimals</p> <p>Revision and test Ratio and proportion</p> <p>Ratio basics, simplifying, sharing, maps</p> <p>Interpreting charts and graphs</p> <p>Box plots, cumulative frequency</p> <p>Comparing distributions Volume of prisms</p> <p>(+cylinders) Standard form Linear sequences</p>	<p>Place value-adding and subtracting to/from 6 digit number-Number lines</p> <p>Negative numbers- using all 4 operations.</p> <p>Roman Numerals- reading/writing</p> <p>Times tables revision</p>

Across the entire year times tables and mental arithmetic

Curriculum Offer 2021/22 Year 9/10

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Simultaneous equations Ration and proportion Similar shapes Transformations (negative / fractional) Algebraic HCM/LCF + Revision</p> <p>Number FM- Indices and surds</p> <p>Perimeter, Area and Volumes Nrich problems</p> <p>Linear Equations and Inequalities</p> <p>Probability Venn diagrams, Conditional probability</p>	<p>Algebra – solving Angles with reasoning Algebra – factorising Algebraic proof Geometric proof Scatter/ frequency Polygon</p> <p>Histograms Basis Algebra Pythagoras Basic Trigonometry Problem solving</p> <p>Drawing constructions, Bearing and Loci</p>	<p>Number + algebra test</p> <p>Changing the subject of a formula</p> <p>Congruence</p> <p>Representing data(interpret charts, mean from freq table)</p> <p>Fractions and percentages</p> <p>Circle Theorems and Geometric Proof</p> <p>Similar Shapes</p> <p>Formulae and rearranging the subjects</p> <p>Linear and Quadratic Sequences</p> <p>Test Week</p>	<p>Perimeter, area and volume (ch9)</p> <p>Trigonometry</p> <p>Cumulative freq + box plot</p> <p>3D shapes</p> <p>Compound measures</p> <p>Quadratic equation by factorising</p> <p>Quadratic Equations and Graphs</p> <p>Plotting quadratics and Cubic Graphs</p> <p>Tangent to a curve</p> <p>Trapezium rules</p> <p>Test Week</p>	<p>Tree diagrams + conditional probability (ch19)</p> <p>All topic test</p> <p>Histograms</p> <p>Limits of accuracy</p> <p>Other graphs including Trig graphs</p> <p>Rational Algebraic Expressions and Fractions</p> <p>Quadratics Inequalities Linear Graphs and Coordinate Geometry</p>	<p>Place value-adding and subtracting to/from 6 digit number-Number lines</p> <p>Negative numbers- using all 4 operations.</p> <p>Roman Numerals- reading/writing</p> <p>Previous topics will be revisited</p> <p>Squared/Cubed numbers</p> <p>Orders of operation- BIDMAS</p> <p>Fractions, decimals, percentages</p>
<p>Across the entire year practice exams for functional and GCSE</p>					

Curriculum Offer 2021/22 Year 11

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Functions Domain and Range, Sketching functions and composite functions</p> <p>Iteration and SUVAT equations</p> <p>Matrix Multiplication</p> <p>Trigonometry Sine and Cosine Rule</p> <p>Test Week</p>	<p>Trigonometry Vectors Graphs Transformation Variation Revision Week</p>	<p>Mock week Feedback Week Matrix Transformations Calculus Applications</p>	<p>Trigonometry Trig Equations Revision Week Revision Week Revision Week Revision Week</p>	<p>Revision Week Revision Week Revision Week</p>	
Across the entire year practice exams for functional and GCSE					