

The Quality of Education: **Mathematics - Curriculum Map**



St Christopher's:
A Church of England Academy

Mathematics - Curriculum Map

Key Stage 3

Year	Half-term 1	Half-term 2	Half-term 3	Half-term 4	Half-term 5	Half-term 6
7	<p>Settling In and Baseline Assessment</p> <p>Unit 1 - Using Numbers Unit 2 - Algebra Unit 3 - Sequences</p> <p><i>Revision, End of Half Term Assessment and Addressing Gaps</i></p>	<p>Unit 4 - Coordinates and Graphs Unit 5 - Integers and Decimals Unit 6 - Fractions</p> <p><i>Revision, End of Half Term Assessment and Addressing Gaps</i></p>	<p>Unit 7 - Working with Numbers Unit 8 - Equations Unit 9 - Percentages</p> <p><i>Revision, End of Half Term Assessment and Addressing Gaps</i></p>	<p>Unit 10 - Perimeter, Area and Volume Unit 11 - Angles Unit 12 - Symmetry</p> <p><i>Revision, End of Half Term Assessment and Addressing Gaps</i></p>	<p>Unit 13 - 3D Shapes Unit 14 - Statistics</p> <p>End of Year 7 Exams</p> <p>Unit 15 - Interpreting Data</p>	<p>Unit 16 - Probability Unit 17 - Ratio</p> <p><i>Revision, End of Half Term Assessment, Addressing Gaps and Final Week Activities</i></p>
8	<p>Unit 1 - Working with Numbers Unit 2 - Fractions Unit 3 - Geometry and Scales</p> <p><i>Revision, End of Half Term Assessment and Addressing Gaps</i></p>	<p>Unit 3 - Geometry and Scales (cont.) Unit 4 - Algebra Unit 5 - Sequences Unit 6 - Graphs</p> <p><i>Revision, End of Half Term Assessment and Addressing Gaps</i></p>	<p>Unit 6 - Graphs (cont.) Unit 7 - Number Unit 8 - Equations and Formulae</p> <p><i>Revision, End of Half Term Assessment and Addressing Gaps</i></p>	<p>Unit 9 - Circles Unit 10 - Surface Area and Volume Unit 11 - Percentages</p> <p><i>Revision, End of Half Term Assessment and Addressing Gaps</i></p>	<p>Unit 11 - Percentages (cont.)</p> <p>Revision / Year 8 Exams</p> <p>Unit 12 - Proportion Unit 13 - Interpreting Data</p>	<p>Unit 14 - Comparing Data Unit 15 - Probability</p> <p><i>Revision, End of Half Term Assessment, Addressing Gaps and Final Week Activities</i></p>
9	<p>Unit 1 - Percentages Unit 2 - Algebra Unit 3 - Fractions</p> <p><i>Revision, End of Half Term Assessment and Addressing Gaps</i></p>	<p>Unit 3 - Fractions (cont.) Unit 4 - Polygons Unit 5 - Solving Equations Graphically</p> <p><i>Revision, End of Half Term Assessment and Addressing Gaps</i></p>	<p>Unit 6 - Decimal Numbers Unit 7 - 3D Shapes</p> <p><i>Revision for Year 9 Exams</i></p>	<p>Feedback and Addressing Gaps from Year 9 Exams</p> <p>Unit 7 - 3D Shapes (cont.) Unit 8 - Compound Units Unit 9 - Right Angled Triangles</p> <p><i>Revision, End of Half Term Assessment and Addressing Gaps</i></p>	<p>Unit 9 - Right Angled Triangles (cont.) Unit 10 - Using Data</p> <p><i>Revision, End of Half Term Assessment and Addressing Gaps</i></p>	<p>Filling gaps from previous half terms ready for the start of the GCSE course</p> <p>Statistics Project</p>

Key Stage 4: GCSE Foundation

Year	Half-term 1	Half-term 2	Half-term 3	Half-term 4	Half-term 5	Half-term 6
10	Unit 1 - Basic Number Unit 2 - Measures and Scale Drawings Unit 3 - Charts, Tables and Averages	Unit 4 - Angles Unit 5 - Number Properties Unit 6 - Approximations <i>PAST PAPER - Paper 1</i>	Unit 7 - Decimals and Fractions Unit 8 - Linear Graphs <i>Work Experience (2 wks)</i>	Unit 8 - Linear Graphs (cont.) Unit 9 - Expressions and Formulae Unit 10 - Ratio, Speed and Proportion <i>PAST PAPER - Paper 2</i>	Unit 11 - Perimeter and Area Unit 12 - Transformations Unit 13 - Probability and Events <i>PAST PAPER - Paper 3</i>	END OF YEAR EXAMS Unit 14 - Volume and Surface Area of Prisms Unit 15 - Linear Equations
Year	Half-term 1	Half-term 2	Half-term 3	Half-term 4	Half-term 5	Half-term 6
11	Unit 16 - Percentages and Compound Measures Unit 17 - Percentages and Variation Unit 18 - Representation and Interpretation <i>PAST PAPER - Paper 1</i>	Unit 18 - Representation and Interpretation (cont.) Unit 19 - Constructions and Loci Unit 20 - Curved Shapes and Pyramids Unit 21 - Right Angled Triangles <i>PAST PAPER - Paper 2 & 3</i>	<i>PPE</i> Unit 21 - Right Angled Triangles (cont.) Unit 22 - Simultaneous Equations and Linear Inequalities Unit 23 - Number and Sequences <i>PAST PAPER - Paper 1</i>	Unit 23 - Number and Sequences (cont.) Unit 24 - Congruency and Similarity Unit 25 - Combined Events Unit 26 - Powers and Standard Form <i>PAST PAPER - Paper 2</i>	Unit 26 - Powers and Standard Form (cont.) Unit 27 - Non-Linear Graphs <i>PAST PAPER - Paper 3</i> <i>GCSE Exam Preparation</i>	GCSE Exams

Key Stage 4: GCSE Higher

Year	Half-term 1	Half-term 2	Half-term 3	Half-term 4	Half-term 5	Half-term 6
10	Unit 1 - Basic Number Unit 2 - Fractions, Ratio and Proportion Unit 3 - Statistical Diagrams and Averages Unit 4 - Ratio and Proportion	Unit 5 - Variation Unit 6 - Transformations, Constructions and Loci Unit 7 - Algebraic Manipulation <i>PAST PAPER - Paper 1</i>	Unit 8 - Angles Unit 9 - Length, Area and Volume <i>Work Experience (2 wks)</i>	Unit 9 - Length, Area and Volume (cont.) Unit 10 - Linear Graphs Unit 11 - Right Angled Triangles <i>PAST PAPER - Paper 2</i>	Unit 12 - Similarity Unit 13 - Exploring and Applying Probability Unit 14 - Powers and Standard Form Unit 15 - Equations and Inequalities <i>PAST PAPER - Paper 3</i>	END OF YEAR EXAMS Unit 15 - Equations and Inequalities (cont.) Unit 16 - Number and Sequences
Year	Half-term 1	Half-term 2	Half-term 3	Half-term 4	Half-term 5	Half-term 6
11	Unit 17 - Counting, Accuracy, Powers and Surds Unit 18 - Quadratic Equations Unit 19 - Sampling and More Complex Diagrams <i>PAST PAPER - Paper 1</i>	Unit 19 - Sampling and More Complex Diagrams (cont.) Unit 20 - Combined Events Unit 21 - Vectors <i>PAST PAPER - Paper 2 & 3</i>	<i>PPE</i> Unit 22 - Properties of Circles Unit 23 - Triangles <i>PAST PAPER - Paper 1</i>	Unit 23 - Triangles (cont.) Unit 24 - Graphs Unit 25 - Algebraic Fractions and Functions <i>PAST PAPER - Paper 2</i>	Unit 25 - Algebraic Fractions and Functions (cont.) <i>PAST PAPER - Paper 3</i> <i>GCSE Exam Preparation</i>	GCSE Exams

Key Stage 5:

Year	Half-term 1	Half-term 2	Half-term 3	Half-term 4	Half-term 5	Half-term 6
12	Unit 1: Pure - Algebra and Functions Baseline Assessment Unit 1: Stats - Data Collection Unit 2: Pure - Differentiation Unit 2: Stats - Measures of Location and Spread Unit 3: Pure - Integration	Unit 3: Pure - Integration (cont.) PPE Exams Unit 1: Mechanics - Constant Acceleration Unit 4: Pure - Graphs and Transformations Unit 5: Pure - Coordinate Geometry	Unit 6: Pure - Vectors Unit 2: Mechanics - Forces and Motion Unit 7: Pure - Algebraic Methods	Unit 7: Pure - Algebraic Methods (cont.) Unit 3: Mechanics - Variable Acceleration and Modelling Unit 8: Pure - Trigonometry (Part 1) Unit 3: Stats - Probability and Distributions	Unit 3: Stats - Probability and Distributions (cont.) Unit 9: Pure - Exponentials and Logarithms Unit 4: Stats - Hypothesis Testing Unit 10: Pure - Algebra and Partial Fractions	Unit 11: Pure - Radians and Trigonometry (Part 1) Revision PPE Exams
Year	Half-term 1	Half-term 2	Half-term 3	Half-term 4	Half-term 5	Half-term 6
13	Unit 12: Pure - Differentiation Unit 13: Pure - Proof Unit 4: Mechanics - Moments Unit 5: Stats - Normal Distribution	Unit 15: Pure - Integration PPE Exams Unit 14: Pure - Trigonometry (Part 2) Unit 21: Pure - Vectors	Unit 5: Mechanics - Forces and Friction Unit 6: Mechanics - Projectiles Unit 7: Stats - Conditional Probability Unit 7: Mechanics - Application of Forces	Unit 16: Pure - Functions and Graphs Unit 17: Pure - Sequences and Series Unit 18: Pure - Binomial Expansion Unit 8: Mechanics - Further Kinematics Unit 19: Pure - Numerical Methods	Unit 20: Pure - Parametric Equations Unit 6: Stats - Regression and Correlation	PPE Exams

