

The Samworth Church Academy

Curriculum Journey: Mathematics

Year 7

Autumn	Data Number Expressions, Functions and Formula Decimals and Measures
Spring	Fractions Lines and Angles Ratio and Proportion
Summer	Perimeter, Area and Volume Probability Transformations

Year 8

Autumn	Factors and Powers Expressions and Equations Graphs
Spring	Sequences Scale Drawings Fractions, Decimals and Percentages
Summer	Real Life Graphs Compound Measures Calculator Methods

Year 9

Autumn	Number Expressions and Formula Graphs, Tables and Charts
Spring	Fractions and Percentages Inequalities and Sequences Angles and Trigonometry
Summer	Averages Perimeter, Area and Volume Constructions

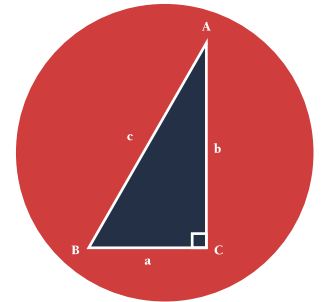
Year 10

Autumn	Foundation Graphs, transformations, ratio and proportion Higher Equations and equalities, probability, multiplicative reasoning
Spring	Foundation Right-angled triangles, probability, multiplicative reasoning Higher Similarly and congruence, more trigonometry, further statistics
Summer	Foundation Constructions, loci and bearings, quadratic equations and graphs, perimeter, area and volume Higher Equations and graphs, circle theorems, further algebra

Year 11

Autumn	Foundation Fractions, indices and standard form, congruence, similarity and vectors, further algebra Higher Vectors and geometric proof, proportion and graphs
Spring	Revision
Summer	Revision

GCSE

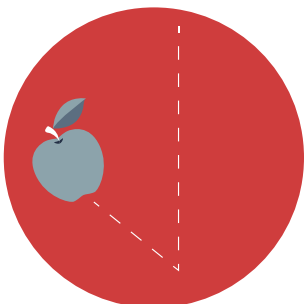


Year 12

Autumn	Trigonometry Equations Graphs Polynomials Differentiation
Spring	Coordinate Geometry Integration Binomial expansion Data Collection Exponentials Probability
Summer	Vectors Data Processing, presentation and interpretation Kinematics Binomial distribution Forces and Newton's laws of motion Hypothesis testing Variable acceleration

Year 13

Autumn	Proof Function Trigonometry Differentiation Vectors
Spring	Sequences Parametric Equations Integration Differential Equations Statistical Distributions Probability
Summer	Forces and Motion Friction Moments Projectiles



A Level