

Mathematics Curriculum Overview 2017 - 2018

| | Aut1 | Aut2 | Spr1 | Spr2 | Sum1 | Sum2 |
|---------|---|--|--|---|--|--|
| Year 7 | Integers, powers and roots Sequences, Functions and Graphs Lines, Angles and Shapes | Data – interpreting results Construction and Loci Calculations and Accuracy | Transformations Simplifying and Substituting Ratio and Proportion | Forming and Solving Equations Area and Perimeter Probability | Volume and Surface Area Fractions, Decimals and Percentages | Measures Inequalities Statistical Enquiries |
| Year 8 | Integers, powers and roots Sequences, Functions and Graphs Lines, Angles and Shapes | Data – interpreting results Construction and Loci Calculations and Accuracy | Transformations Simplifying and Substituting Ratio and Proportion | Forming and Solving Equations Area and Perimeter Probability | Volume and Surface Area Fractions, Decimals and Percentages | Measures Inequalities Statistical Enquiries |
| Year 9 | Number and algebra; Revision; Problem solving; Transition to GCSE (9-1) | Algebra; Interpreting and representing data; Problem solving; Transition to GCSE (9-1) | Fractions and Ratio Percentages; Averages and range; Problem solving; Transition to GCSE (9-1) | Pythagoras' theorem; Angles and trigonometry; Revision; Graphs; Area and Volume; Transition to GCSE (9-1) | Transformations and constructions; Equations and inequalities; Problem solving; Transition to GCSE (9-1) | Probability; Multiplicative reasoning; Problem solving; Transition to GCSE (9-1) |
| Year 10 | Equations and inequalities; Probability | Multiplicative reasoning; Similarity and congruence | Trigonometry; Further statistics; | Equations and graphs; | Circle theorems; Algebra | Surds, algebraic fractions, proof; Vectors and geometric proof |
| Year 11 | Revision of equations and inequalities; Probability | Multiplicative reasoning; Similarity and congruence | Trigonometry; Further statistics; Equations and graphs; Circle theorems | Algebra; Surds, algebraic fractions, proof; Vectors and geometric proof | Proportion and graphs; Revision | Examinations |