

GCSE Maths – Key Stage 4

Intent:

During the course, learners will develop their mathematical skills. They will make and use connections to solve problems, modelling situations mathematically to present results accordingly. Students will gain skills across the following broad topics: number, algebra, graphs, geometry, measurement, statistics, probability, angles and bearings. These skills will enable the students to pass Edexcel GCSE mathematics with secure Level 2 grades. They will also help students to analyse data, solve problems, draw conclusions, think logically, pay attention to the detail and will help students access other subjects.

Studying maths helps us find patterns and structure in our lives. Practically, maths helps us put a price on things, create graphics, build websites, build skyscrapers and generally understand how things work or predict how they might change over time and under different circumstances. GCSE is also essential to getting many careers and can be achieved by all of our students at Southway if they are willing to put in the hard work required.

Implementation:

	Term 1	Term 2	Term 3
Year 1	Number/Algebra/Ratio, Proportion and Rates of Change/Geometry and Measures/Statistics & Probability Main emphasis: Number Algebra & Graphs	Number/Algebra/Ratio, Proportion and Rates of Change/Geometry and Measures/Statistics & Probability Main emphasis: Geometry & Measurement Statistics & Probability Number	Number/Algebra/Ratio, Proportion and Rates of Change/Geometry & Measures/Statistics & Probability Main emphasis: Angles and Bearings Revision for Exams
Year 2	Number/Algebra/Ratio, Proportion and Rates of Change/Geometry and Measures/Statistics & Probability Main emphasis: Number Algebra & Graphs	Number/Algebra/Ratio, Proportion and Rates of Change/Geometry and Measures/Statistics & Probability Main emphasis: Geometry & Measurement Statistics & Probability Number	Number/Algebra/Ratio, Proportion and Rates of Change/Geometry & Measures/Statistics & Probability Main emphasis: Angles and Bearings Revision for Exams

GCSE maths helps to build up essential skills that are used on a daily basis, such as problem solving, analysing data, communication, logical thinking and attention to detail. Different methods and techniques are developed through the following topics: Number, Algebra, Ratio, Proportion and Rates of Change, Geometry and Measures, Statistics and Probability.