

What Will I Be Studying?

There are 5 areas in Mathematics:

1. Number

Factors, Multiples and Primes, Directed numbers, Order of Operations, Fractions, Decimals and Percentages, Percentages, Straight Line Graphs, Time Series graph, Indices, Powers and Standard Form.

2. Algebra

Algebraic Expressions and Substitution, Solving Equations and Inequalities, Changing the Subject of a Formulae, Sequences Expanding and Factorising single brackets.

3. Geometry

Reflections and Enlargements, Angles and Bearings, Polygons and Parallel Lines, Circumference and Area of circles, Volume and Surface area of 3D shapes. Interior and Exterior angles of Polygons.

4. Statistics and Probability

Probability (Venn diagrams, frequency trees and two way tables), Tables; Charts and graphs, Pie charts, Scatter graphs and Averages

5. Ratio and Proportion

Ratio, Proportion and Metric conversions.

How Will I Be Assessed?

- Pupils will be sitting the new GCSE specification and will be graded from 9-1
- Half termly assessments; Homework; End of year assessments. HegartyMaths
- Twice a year formal assessments; Exam papers; Calculator and Non- Calculator

Who Would Enjoy This Course?

This is a core subject; hence all students must participate. In particular students who enjoy number, shape, logic and reasoning will enjoy and excel at Mathematics.

How Will This Course Help Me In The Future?

As a core subject, Maths GCSE is an essential facilitating subject for further and higher education. It is also vital to allow students to access almost all careers. Maths GCSE in particular is a gateway to careers in STEM, including Engineering and Technology as well as a pathway into Medicine.