MATHEMATICS

Current Specification
The new Mathematics GCSE is more demanding and the volume of subject content has increased. There is a greater emphasis on problem solving and mathematical reasoning with more marks being awarded for higher order thinking skills.

What qualification does this course lead to?
GCSE Mathematics 9-1; AQA exam board

What topics will I study?
You will continue to study Number, Shape and Space, Data Handling, Algebra and Ratio and Proportion as this course builds on all previous mathematical studies.
The course follows a syllabus that meets the requirements of the National Curriculum for Mathematics.
This comes under five main headings: –

- Using and Applying Mathematics; Number; Ratio, Proportion and Rates of Change; Geometry and Measures; Statistics and Probability

What understanding and skills will I develop?
You will use and apply standard techniques. You will learn how to use algebra to solve Mathematical problems and you will develop skills that will allow you to analyse and interpret data. You will also further extend your knowledge of number, geometry, measures, ratio and proportion. You will also solve problems using Mathematics within other contexts.

How will I learn/how will I be taught?
There will be four Mathematics lessons per week. You will be expected to take notes, play an active part in lessons and develop new skills by working through problems as an individual, pair or as part of a group. You will be expected to help yourself and others learn by explaining your understanding to one of your peers, the teacher, a group or the whole class.

How will I be assessed?
There are two tiers of entry in GCSE Mathematics.
Foundation – Grades 1 to 5. Higher – Grades 4 to 9.
Just under 50% of students currently complete the Higher tier course.
Assessment Examination: 100%

Examination	**Examination Style**
AQA GCSE Linear	There will be three examinations totalling 4 and a half hours. There will be one non-calculator paper followed by two calculator papers.

What can this course lead on to?
If you obtain a grade 7 you will be able to go on to study A-level Maths in the future. A high level of mathematical ability is essential to many careers and higher education courses. Engineering, Accounting and Finance, Business Studies and I.T. are just a few areas in which evidence of mathematical ability will be required. Those seeking employment directly after completion of their GCSE's will find that many employers, particularly those offering modern apprenticeships, require numerate people.

Who do I need to contact for more information?
Mr J. Myers (Head of Faculty), Mrs L. Potts (Assistant Head of Faculty), Mr L. Topping (Assistant Head of Faculty) or your Mathematics teacher.