

Syllabus: PEARSON EDEXCEL GCSE MATHS 1MA1

Please consult: Miss M Janse

What we aim to do

Within the Mathematics Faculty, we aim to develop every student's potential mathematical ability. We aim to motivate our students so that they are interested and enthusiastic about their Mathematics lessons.

What we study

Three themes underpin all work in mathematics:

- Using and applying standard techniques
- Reasoning, interpreting, and communicating mathematically
- Solving problems in context.

In particular students will study:

- Number
- Algebra
- Ratio, proportion and rates of change
- Geometry and measures
- Probability
- Statistics

Skills needed

There is a progression of materials through all levels at which the subject is studied. This new specification builds on Key Stage 3 Mathematics and reflects the revised Programme of Study for Key Stage 4.

How your work will be assessed

There is a final terminal exam at the end of Year 11. This exam consists of:

- Paper 1 (80 marks), 1 hour 30 minutes, non-calculator
- Paper 2 (80 marks), 1 hour 30 minutes, calculator allowed
- Paper 3 (80 marks), 1 hour 30 minutes, calculator allowed

Students entered for the Foundation tier can be awarded grades 1, 2, 3, 4 or 5.

Students entered for the higher tier can be awarded grades 4, 5, 6, 7, 8 or 9.

What this subject can lead to when you finish Year 11 at The Hollyfield School

Students wishing to study A - Level Maths will need to get a minimum of a grade 7 at GCSE. In particular, students must have competent algebra skills to take mathematics to a higher level.

Possible careers

A good GCSE grade in Mathematics is an essential requirement for almost all courses in higher education and will open the door to many future careers. Maths is used widely in many careers and therefore it is a qualification that is highly valued by employers.

Maths is a foundation for many university courses:

Mathematics, Computer Science, Engineering, Physics, Economics, Law, Medicine, Geology, Astronomy and many others

Additional information/special requirements

All students should have a scientific calculator (Casio FX 85 GT Plus) and a geometry set for all lessons.

Relevant website links for further information on the course/subject

[Specification](#)

[Maths careers](#)

