



Time, Equipment and Expenses:

Essential equipment is a pen, pencil, ruler, scientific calculator and geometry set (including protractor and compasses). Example of calculator is Casio FX-83GTPLUS Scientific Calculator, costing approximately £7.00. Example of geometry set is Helix Oxford Maths Set, costing approximately £3.00.

Students are offered the opportunity to purchase revision aids such as Disks and GCSE Past Paper packs. Disks cost £4.00 and Past Paper packs cost £5.00. Parents will be informed when these are appropriate to purchase (usually in year 11). As mentioned under homework, students are expected to be able to print materials at home or pay for printing at school. The school provides either a textbook or on-line access to a text book for the courses studied. It is expected that textbooks are returned to the school in good condition, otherwise the cost will be charged. Some students find it useful to purchase revision guides for the GCSE course, for example CGP guides, costing approximately £6.00.

For more information please speak to Mrs Walder or your Mathematics teacher.

GCSE MATHEMATICS

**Exam Board: EDEXCEL: Mathematics (9-1)
(All examinations are taken at the end of the course in Year 11).**

Course Content

This year group will be studying towards the GCSE (9-1) which is examined in June 2019.

All students follow the new KS4 National Curriculum leading to Higher Level GCSE entry at the end of Year 11. Set 1 and Set 2 students will also study the FSMQ Additional Mathematics qualification in Year 11, sitting the paper in June of Year 11.

Assessment

For GCSE, the final grade will be based upon three written papers sat in the May/June of Year 11. There will be one non-calculator and two calculator papers. Each paper lasts one hour and thirty minutes.

The curriculum is divided into: number; algebra; ratio, proportion and rates of change; geometry and measures; probability and statistics. Pupils are taught to develop fluency, reason mathematically and solve problems. The GCSE course reflects and builds upon subject content taught in KS3 and provides a strong mathematical foundation for those who wish to go on to study mathematics at a higher level.

The first paper is currently a non calculator paper, with a greater emphasis on algebraic manipulation and the second and third, allowing the use of calculators, are more likely to include topics such as advanced trigonometry. There is a new expectation that mathematical formulae which were previously provided to GCSE students are to be memorised.

Homework

Pupils normally receive two homework tasks per week, each taking roughly forty minutes. These may take the form of practising skills, investigating and solving problems, researching unknown topics or revision.

Enrichment

There are numerous enrichment opportunities during Key Stage 4, including conferences and seminars, cross-curricular projects, individual and team competitions and the Intermediate Maths Challenge.

