

Mathematics

You may wonder what connects the maths you do in school to the real world. Will you ever have to solve an equation or find an angle outside your classroom? Maths is very useful and is everywhere in everyday life.

You might not think of buying sweets as algebra, or consider the maths that went into designing your favourite computer game.

But remember, maths is everywhere and what you learn in school will be very important for your future.



Qualification: GCSE
Examination Board: Edexcel
Specification Code: 1MA1

Topics Covered

GCSE Mathematics is grouped into the topic areas of number, algebra, geometry, measures, statistics and probability.

Students knowledge will build on prior learning and new topics are introduced such as kinematic graphs, compound percentages, Pythagoras' theorem, trigonometry, advanced probability, cumulative frequency and exponentials.

Assessment

Whilst studying Mathematics GCSE at Swanshurst School you will be assessed and given feedback by your teacher regularly, using both topic and termly assessments. The feedback on your achievement will support you to identify topics you need to improve on.

As the GCSE is linear it means that all the exams are taken at the end of the course (at the end of Year 11) and any of the specified topics can be tested on any paper. There are two tiers of entry; Higher and Foundation. The Higher examination offers achievement at grades 4-9 whereas the Foundation paper offers grades 1 - 5.

Course Progression

The mathematical skills of problem solving, logical thinking, and investigation will help your progress in whatever you choose to study.

In addition to these general skills, mathematics is required for further education and working in a wide range of areas - anything from plumbing to economics..

Career Opportunities

What types of skills do employers look for? Problem solving, analysis, data handling and communication skills to name just a few. These transferable skills are useful in any job, and they can all be gained by studying mathematics.

For further information go to www.mathscareers.org.uk