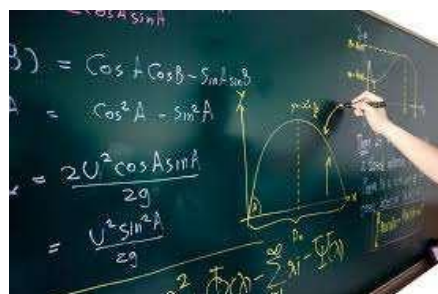




Mathematics



Overview

A-Level Maths will build on your GCSE knowledge, deepen your understanding of the subject and develop your problem-solving skills. You may choose to study Maths for a number of reasons such as pursuing Maths beyond a sixth form education, to help with other subjects or to gain a highly valued and widely recognised qualification. Mathematics is a challenging yet highly rewarding subject to study, it requires hard work from the outset, but you are well supported and guided by your teachers throughout to help you to achieve the best possible grade and get the most out of your time studying Maths at Woodrush.

Requirements

Grade 7 or above at Maths GCSE is preferable. 6 will be considered, dependent on GCSE grade profile

Assessment

Paper One 120 minutes, 100 marks, one third of assessment

Pure Maths including functions, coordinate geometry, sequences, trigonometry, exponentials, calculus and numerical methods.

Paper Two 120 minutes, 100 marks, one third of assessment

Pure Maths including functions, coordinate geometry, sequences, trigonometry, exponentials, calculus and numerical methods. Mechanics: kinematics, forces, Newton's Laws and moments.

Paper Three 120 minutes, 100 marks, one third of assessment

Pure Maths including functions, coordinate geometry, sequences, trigonometry, exponentials, calculus and numerical methods. Statistics: using large datasets, sampling, probability, distributions and hypothesis testing.

Exam Board



<https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html>

Progression and Career Opportunities

As a facilitating subject, A Level Mathematics is highly regarded by universities and employers. It supports and complements other A Level subjects such as: Biology, Physics, Chemistry, Psychology, Business Studies and Geography. Mathematicians can then go on to use their skills and knowledge in any career including Medicine, Engineering, Finance, various Sciences, Computing, Economics, Psychology and many more!

"After enjoying studying GCSE maths at Woodrush, I chose to continue with the subject at sixth form and maths has been just as fun and even more interesting at A-Level!" Year 12 student