

## MATHEMATICS

We currently enter students for the Edexcel International GCSE (IGCSE) qualification. This two tier system has a higher tier covering grades 9-4 and a foundation tier covering grades 5-1. It is our intention that almost all students will be entered for the higher tier. The IGCSE in Mathematics has been recognised by universities who believe it to be conceptually more demanding than the current GCSE and a reliable indicator of ability. The examination is taken at the end of Year 11 by all students.

The course builds on the work of earlier years and students are increasingly able to apply their knowledge and skills to solve and investigate a wide variety of problems. The IGCSE is also able to develop additional techniques in algebra which are essential for any further study of the subject. We believe that the IGCSE is excellent preparation for girls going on to study for AS-Level or A-Level Mathematics. In addition, topics related to mathematics in the world of work, leisure and life are introduced and discussed.

Students in the top set may be given the opportunity to study Additional Mathematics (OCR) alongside the IGCSE/GCSE, which is a challenging free standing mathematics qualification that extends students' mathematical learning beyond the IGCSE syllabus, exploring aspects of Sixth Form Mathematics. If taken, this examination would also be sat in the summer of Year 11.