



BRUTON SCHOOL
FOR GIRLS
ON SUNNY HILL

MATHEMATICS

Mrs C Thomas

General Introduction

Mathematics is assessed by three examinations in the summer of Senior 5. There are two tiers of entry, Higher and Foundation, and each student will be entered for the tier appropriate to her ability and achievement during Senior 5. We aim to enter students for the tier that will provide the best chance of each girl achieving their full potential.

Grades 9 to 4 are available in the Higher tier, with 9 being the highest, and grades 5 to 1 are available in the Foundation tier. A good performance in the Higher tier examinations provides a suitable basis for the study of mathematics in the Sixth Form, where many of the topics are continued and developed.

Course specification

We follow the AQA specification: Mathematics (8300).

Summary of Course Content

The main mathematical subject areas are Number, Algebra, Ratio, Probability, Statistics and Geometry. Within these areas many topics are taught, and many of these are common to the Higher and Foundation tiers. However, topics are covered in greater depth in the Higher tier.

The aim of the GCSE course is to enable students to:

- develop fluent knowledge, skills and understanding of mathematical methods and concepts
- acquire, select and apply mathematical techniques to solve problems
- reason mathematically, make deductions and inferences, and draw conclusions
- comprehend, interpret and communicate mathematical information in a variety of forms appropriate to the information and context



Patrons: Mrs A Maw, Lord-Lieutenant of Somerset and Lady Gass DCVO

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How the Course is assessed

The qualification consists of three equally-weighted written examination papers at either Foundation tier or Higher tier. Paper 1 is a non-calculator assessment and a calculator is allowed for Paper 2 and Paper 3. The content outlined for each tier will be assessed across all three papers.