

MAGDALEN COLLEGE SCHOOL - BRACKLEY

MATHEMATICS FACULTY

OVERVIEW

The Mathematics Faculty is led by the Head of Faculty, supported by two additional faculty leaders. The faculty leaders work closely with all colleagues in a professional and supportive manner to ensure staff are well supported and whole school initiatives and common departmental goals are realised.

The department is committed to providing a broad and balanced curriculum alongside a creative pedagogical approach. We strive to ensure all pupils are supported in gaining greater mathematical understanding and achieve high standards of attainment. We are committed to providing our pupils with opportunities for collaboration, encourage them to develop good mathematical oracy and develop deeper thinking skills. We value participation in mathematical investigations, promote the extension of mathematical skills and foster practical applications and project-based enquiry approaches.

STAFFING AND RESOURCES

The faculty currently consists of 9 members of teaching staff. We are a strong team. We have excellent working relationships throughout the department via our caring manner and our pursuit of common goals. Our successful working practices are cemented through our clear professional understanding, strong departmental communication, clear transparency, good collaborative working practices and a high regard, respect and care for the contributions all colleagues bring to the department. We encourage and support each other.

Within the department we have a dedicated suite of teaching rooms, a staff base and a resource room. All staff currently have their own teaching bases.

All classrooms are fitted with a data projector, several of which also have interactive technology. Each member of the faculty is provided with a laptop.

Currently, the faculty has access to a range of software including Autograph, Geogebra and Mathswatch. The faculty uses a number of websites such as MathsWatch and the extensive A-level MEI website (Intergal).

Auditing of resources is under review to ensure best practice is achieved.

TEACHING GROUPS

Pupils in Years 7 to 11 are set broadly according to ability. All colleagues are encouraged and supported in teaching across the full ability and age range.

Within the sixth form there are two Year 12 Maths groups, two Year 13 Maths groups and one Further Maths group.

THE COURSES

Schemes of work for all age and ability bands are in place, utilised, evaluated and updated regularly.

Our programme for KS3 and KS4 pupils is based on Kangaroo maths programme. The schemes used are well-resourced with in-house materials, text-books and software.

For A-level students we offer a range of modules including Mechanics, Statistics, Decision and Pure Mathematics through the OCR MEI A Level. Modules are chosen to meet students' individual needs leading to certification at Maths A-level, and Further Maths A-level. The success and accessibility of this course has made it a popular choice for students.