

(11-16 comprehensive) (n.o.r. 882)

MATHEMATICS FACULTY



The Mathematics Faculty at Broadoak Mathematics & Computing College is an innovative curriculum area that maximises students' mathematical ability by developing their thinking skills and problem solving abilities. We use a variety of tasks and investigative approaches to deliver the curriculum content in order to promote deep thinking and learning.

We work to develop students who not only have a functional use of the subject but also an enjoyment of this subject. We strive to produce individuals who have the strategies and understanding so they can continue to develop their mathematical skills beyond 16.

The latest developments in the teaching of Mathematics are being used to promote a deeper understanding of the subject, and to raise the engagement levels of all students.

Individual needs are catered for by the application of a variety of teaching and learning styles; this will involve opportunities for individual and group learning to encourage students to not only use and apply their mathematics, but also to be able to explain their work. Students are required to work to a high standard, and homework and marking will reflect this. We believe that this brings out the best in our students, but also generates enjoyment in the subject.

The Faculty at present consists of 6 full time teachers. We are a rapidly developing Faculty that offers a lot of scope for professional development, and although we are an 11-16 college there have been opportunities for staff to beyond this level. There is also a HLTA working entirely on interventions within the mathematics department.

There is regular assessment of students' performance and grouping changes are made when necessary. We have a very effective intervention program established to support our weaker learners to make the best progress possible.

It is College and Faculty policy that Mathematics staff teach a range of students from all years and performance levels, trying to ensure a continuity of staffing through a key stage to allow students to feel secure with their teacher and develop a positive learning relationship.

The Faculty has numerous enrichment activities that take place throughout the year. These involve all year groups and, where appropriate, are differentiated to encourage all students to attend.

All staff contribute to the rapid development of the Faculty, and there are plenty of opportunities for professional development in a team that is committed to excellence and improvement.

