



## Mathematics Faculty

The Faculty of Mathematics is well-established, hardworking and dedicated to the teaching of mathematics. At present there are six full-time teachers and one part-time member of the team.

The Faculty has a suite of five teaching rooms and a networked mathematics computer suite. Each teaching room has an interactive whiteboard and the Faculty has access to a wide range of computer software specifically for enhancing the teaching of mathematics as well as access to the internet.

### Mathematics at Key Stage 3

At Key Stage 3 the Faculty follow the Mathematics Enhancement Program which offers a wide range of activities and all pupils have their own textbook. Pupils receive 6 hours of mathematics lessons a fortnight in years 7 and 8 and 5 hours a fortnight in year 9.

Year 7 is taught in mixed ability classes with the class teacher supported in each lesson by an LSA.

Years 8 and 9 are taught in two parallel bands, each with four sets. Within each band the pupils are set according to their mathematical ability; initially based on their progress and assessments in year 7. The pupils are monitored closely throughout to ensure that they are in the right set. There is additional support for the lower ability classes.



## Mathematics at Key Stage 4

At Key Stage 4 the Faculty follow the WJEC two-tier GCSE course in Year 11 and the new linear GCSE course in year 10. The pupils use the accompanying course textbook. Pupils receive 6 hours of lessons a fortnight.

Years 10 and 11 are also taught in two parallel bands, each with four sets. Sets 1 and 2 are prepared for the Higher tier examination and sets 3 and 4 the Foundation tier, with some of set 4 sitting the Entry Level examination.

## Mathematics at Key Stage 5

Mathematics is a popular subject at AS and A level, with approximately 30 students currently following the WJEC modular AS and A level course. The Faculty offer AS mathematics in Year 12 with pupils studying two Core (Pure) modules and a Statistics module. In year 13 the students study a further two Core modules and a Mechanics module; the six modules leading to an A level in Mathematics.

## Extra Curricular Activities

Members of the Mathematics Faculty offer a wide range of 'extra' activities:

- More Able and Talented Pupils have the opportunity to widen their skills and take part in competitions
- 'Drop - In' Club where pupils can get help with work they may have missed or are having difficulty with.
- After school revision classes for Year 11 pupils throughout the year to ensure that pupils have the best possible chance of success.
- There are also revision groups during the Easter holidays for GCSE, AS and A level pupils.
- The Faculty are keen to promote mathematics and each year run 'Maths Week' which coincides with 'Wales Maths Week' sponsored by Math Cymru. During the week there are a range of mathematical activities which the pupils enjoy
- Each year the Faculty take a group of Year 7 pupils to visit the Mathemagic Show at Techniquet.
- Some of the more able pupils in Year 9 have the opportunity to attend the Maths Master Classes held at the University of Glamorgan
- Years 11, 12 and 13 have the opportunity to attend lectures and Maths Pop Quizzes at the University of Glamorgan
- Maths Club for Years 7 and 8 pupils to promote 'maths is fun'

