



KS5 Mathematics Enrichment Day 27th June 2007

This day is intended for students in year 12 who are interested in taking their mathematics further by doing a mathematically related degree and who will be studying Further Mathematics AS in year 13. It is equally well suited to year 11 students who are going to study Further Mathematics in year 12. The day is intended to be interesting, fun and give students an insight into some of the many ways mathematics contributes to our lives. There will be three sessions in the day:

'The square root of -1 – we lied!'

Pat Morton – FM Centre Manager & Dr Francis Wright QMU

This is an introduction to the mathematics of complex numbers and the many ways in which they can be used in mathematics.

'Danger – Mathematicians at work!'

Philip Wildman - Construction Youth Trust

In this session Philip Wildman will explore just how important a mathematical ability is to some elements of the construction and built environment industries, with reference to real life problems that people have to solve in their daily work, and how it even saves lives.

'The Magic of Mathematics'

Professor Peter McOwan - QMU

Maths is all around us allowing some remarkable things to happen. In this session we will explore how maths makes much of the world go round, and learn a conjuring trick or two.

There will also be an opportunity to talk to students about university life and what it is like to study mathematics or mathematically related degrees. Even more importantly there will be chance to sample the student cuisine!!

There is no charge for the day and lunch will be provided. The day will begin about 9:30 and end about 3:30. The sessions will take place at QMU – full programme and travel directions will be sent on registration.