

## MEI and Universities

Mathematics in Education and Industry (MEI) is an independent UK curriculum development body with particular expertise in 14-19+ Mathematics Education. Several aspects of our work are relevant to universities and we would like to draw them to your attention.

### Developments in Pre-University Mathematics

MEI is at the forefront of developments in 14-19 Mathematics and has a significant voice in the mathematics education community. A number of position/discussion papers on developments and issues in mathematics education can be accessed from the MEI website, see [www.mei.org.uk/posn\\_papers.shtml](http://www.mei.org.uk/posn_papers.shtml). Such papers should be informative for academics, as well as being of interest to PGCE students and Mathematics Education research students. Two documents, which give an overview of the pure and applied content of current AS/A level Mathematics and Further Mathematics, will be of interest to those involved with students who have studied mathematics A levels prior to entry. These can be downloaded from <http://smau.mei.org.uk/>.

### Presentations/Seminars

MEI is keen to assist academics at universities by keeping them informed of changes in pre-university mathematics and explaining what can be expected of students entering university with AS/A level qualifications in Mathematics and Further Mathematics. MEI staff have developed a Professional Development presentation and a seminar session specifically to address these issues. MEI staff can also offer a range of other lectures on various topics relevant to teaching mathematics, such as the use of Interactive Whiteboards and enrichment ideas in mathematics. These are adapted from those available to school/college teachers, see [www.mei.org.uk/files/pdf/t\\_br\\_ch\\_menu.pdf](http://www.mei.org.uk/files/pdf/t_br_ch_menu.pdf).

### National Reports

MEI has created a page, [www.mei.org.uk/reports.shtml](http://www.mei.org.uk/reports.shtml), on its website, where links to reports relevant to mathematics education can be found. Having a single page that lists such reports means that those seeking information about national developments can find it easily.

### Further Mathematics Network

Currently over 50 universities engage with the national Further Mathematics Network (FMN), which MEI runs for the DfES. All of the 46 Further Mathematics Centres across England work with their local university(ies), building strong links with schools/colleges and supporting students and teachers. Many universities host FMN enrichment events and AS/A level revision days, which act as a mechanism for the promotion of mathematics and give thousands of students the opportunity to visit their local university, e.g. over 4500 students attended revision days at universities across the country in May/June 2007. See [www.fmnetwork.org.uk/revision.php](http://www.fmnetwork.org.uk/revision.php).

### Extensive Online Resources

MEI has extensive experience in producing effective online learning and teaching resources to support AS/A level Mathematics and Further Mathematics. See <http://resources.mei.org.uk/>. Over 1100 schools and colleges access the resources and over 1000 Further Mathematics students use them as part of their studies with the FMN. MEI is already working with the University of Warwick and the University of the West of England to enable these resources to be used to support undergraduates on mathematics-related degrees such as Engineering. We are keen to expand upon this work with other universities and in new areas. See <http://smau.mei.org.uk/>.

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[www.mei.org.uk](http://www.mei.org.uk)

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