

Dr Sarah Williamson – **mathcentre** and LTSN Engineering, UK
Dr Tony Croft – **mathcentre** and the Mathematics Education Centre, Loughborough University, UK

Mathematics support materials – free for all

Does your students' ability at algebra make you angry? Do they find differentiation difficult, vectors vile and trigonometry terrible? Help is at hand - **mathcentre** provides support materials for everyone looking for post-16 maths help.

Students who access **www.mathcentre.ac.uk** are offered practical help geared to their specific discipline, with the main presence on the site being help for engineering students. **mathcentre** provides the students with access to resources of which there are five different types:

- **Quick reference leaflets** provide easily accessible support on key topics.
- **Teach-yourself booklets** give a more in-depth treatment of important topics and include theory, worked examples and exercises.
- **Practice and revision booklets** contain hundreds of practice exercises and answers.
- **On-line exercises** allow students to test themselves or practice basic techniques.
- **Video tutorials** offer a face to students to guide them step-by-step through the key topics.

Engineering educators who visit the website can access all of the above resources as well as good practice guides, case studies and third party materials. For those looking for a large number of resources to fulfil their teaching needs there is a resource packs section. Each of these packs contains a number of leaflets, workbooks and exercises.

mathcentre is being continually developed and resources for engineering academics and students are being added almost on a daily basis. All resources are free and can be used by universities to enhance their local mathematics support provision.

This paper will provide a background to the establishment of **mathcentre**, and an in-depth look at the resources available and the topics covered.

Key words: mathematics support, mathematics resources, **mathcentre**