

more maths grads Mathematics Teaching Excellence Fellowships 2008 / 2009

- *Are you a mathematics teacher of AS/A level(AVCE/BTEC) and/or work extensively with GCSE students in an Aim higher school or college?*
- *Are you keen to enthuse more of your students to study mathematics at university?*
- *Are you interested in ensuring our more maths grads activities really will make a difference?*
- *Would you like the opportunity to work with academics and research students in Coventry University to explore ways in which you can complement each other's work in inspiring young people?*
- *Do you wish to enhance the way your school or college collaborates with more maths grads project at Coventry University?*
- *Do you want to enliven and enrich your own teaching and professional development?*

If so, we would like to invite you to apply for a more maths grads Teacher Excellence Fellowship at Coventry University – Please send your CV and Cover letter to the address given below by;

27th May 2008

WHY APPLY?

- To help you to develop close working links with academics and research staff within the Faculty of Engineering and Computing at Coventry University to enrich your subject through greater in-depth knowledge in the Mathematics, Statistics and Engineering Sciences Department;
- To enable you to influence and be involved in more maths grads activities to ensure that they are meaningful and really contribute to raising aspirations and attainment in mathematical sciences;
- To provide a personal enrichment opportunity for you in curriculum development and in widening participation that will enhance your continuing professional development profile;
- The Fellowship will provide up to £500 to purchase resources for your School and an additional £ 500 will be available for your personal staff development;
- The Fellowship will provide up to £4,500 to your school or college to cover some of your teaching duties.

The fellowship role will be flexible, 'hands-on' and will evolve over time to address the needs of teaching & learning mathematics. It is likely that you will engage in several of the following activities:

- Work in partnership with colleagues in other Schools and with the more maths grads team to develop innovative learning materials and strategies that will promote excitement in the teaching of mathematics. Note that the copyright of any materials developed as a direct result of the fellowship should normally accrue to the more maths grads project for distribution to schools nationally;

- Explore opportunities for enriching the school curriculum with application oriented content in mathematics;
- Explore more targeted methods of developing the key independent learning skills that are required to study mathematics at university;
- Evaluate continuity/discontinuity of mathematics from school/college based study to university based study and highlight the links in AS/A level mathematics to components of mathematics courses at university;
- Explore opportunities for the University to link into the GCSE mathematics curriculum to help raise student aspirations and motivation to pursue mathematics post-16;
- Identify opportunities for sharing specialist resources, teaching staff and equipment that will enhance the school curriculum in mathematics;
- Assess the role that your school or college plays in developing mathematics widening participation opportunities and how these can be further enhanced and disseminated to other schools/colleges.

Activities could also include:

- Difficulties with transition into higher education such as cultural and social issues for young people from low participation backgrounds;
- Examining recruitment practices and procedures for Mathematical Sciences degree courses in a range of institutions.

<p>You will be provided with the following resources:</p> <ul style="list-style-type: none"> • Full library access • Other researchers • Photocopying • University contact point • Induction into the University • A University base • A Fellowship mentor/ coordinator • An Academic partner 	<p>Your Commitment:</p> <ul style="list-style-type: none"> • The ability to be released from school or college for the equivalent of 7 weeks throughout the academic/calendar year 2008/2009 (pro-rata for any job share). This may be on day(s) release or in blocks of time – although we have found that one day per week over the academic year is usually the most appropriate (All supply cover will be paid for). • Support from your Head teacher or Principal • A final report outlining your experiences
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There are 4 Teaching Excellence Fellowships available

We are looking to work with you to secure the progression of a greater proportion of young people into mathematical sciences degrees.

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