Student Teacher Lecture

Developing students' desire to prove

Bernard Murphy

(MEI Programme Leader: Teacher Support)
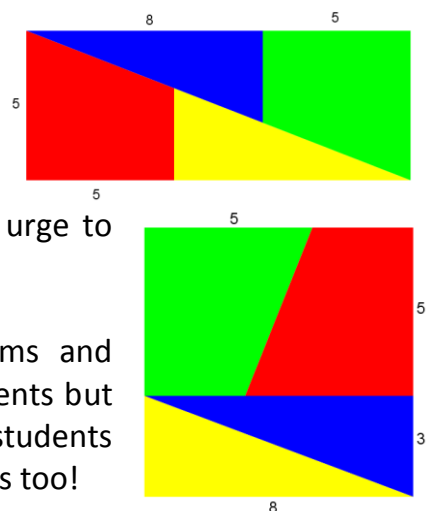
Room C3.19 *(Please note change of room)*
Ellen Wilkinson Building
School of Education, University of Manchester

Tuesday 19 September 2017, 4.00pm

Mathematical reasoning and proof is receiving increasing attention at GCSE and A level. As teachers we can lead students through proofs but do they really understand what a proof achieves? And how

many of them reach a position where they have the urge to find a proof for a conjecture?

In this session we will look at a range of problems and conjectures, many of which are accessible to KS3 students but are rarely encountered in school, which cause students naturally to ask 'Why? There'll be some beautiful proofs too!

**Open to all and especially to mathematics teachers and teachers in training.
No charge is made to attend meetings. Non-IMA members are welcome.**

The speaker, **Bernard Murphy**, has a BSC and an MSc in Pure Mathematics, and completed his PGCE in Secondary Mathematics in 1992. After gaining 11 years teaching experience, both home and overseas, Bernard joined MEI in 2003. In addition to his work in professional development, he has been a principal examiner, textbook author and regularly presents mathematics masterclasses.

MEI (Mathematics in Education and Industry) is committed to improving mathematics education and promotes teaching and learning through different strands of activity. MEI supports teachers through a range of professional development opportunities, including an annual conference. Innovative resources are continually being developed to enrich students' experiences of learning mathematics. Further information can be found at http://mei.org.uk

For further information, please contact:
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Please see https://ima.org.uk/branches/north-west/ for the Draft Lecture Schedule for 2017-2018