

FACULTY OF EDUCATION, UNIVERSITY OF CAMBRIDGE
MICHAELMAS TERM 2007

CAMBRIDGE COLLOQUIA IN MATHEMATICS EDUCATION

Tuesday 16th October 2007, 3.00 p.m., Room 207, Mary Allan Building, Hills Road

Professor Jo Boaler, University of Sussex

PROMOTING 'RELATIONAL EQUITY': THE CASE OF RAILSIDE SCHOOL.

In this talk I will report the results from a four-year longitudinal study of approximately 700 students as they progressed through three American high schools offering different teaching approaches. One of the findings of the study was the incredible success of "Railside" school where students learned more, enjoyed mathematics more and progressed to higher mathematics levels. At Railside school the teachers also worked to promote equity, with some very interesting results, including the development of a mathematical classroom culture that I have described as 'relational'. In this talk I will provide evidence of the students' understanding, show a video of some of the teaching, and provides detailed analyses of the ways that the teachers brought about high and equitable achievement.

Monday 19th November 2007 at 5.30 p.m., Room G07, Mary Allan Building, Hills Road

Professor Jill Adler, King's College London

MATHEMATICAL OBJECTS AND GROUNDS: SHIFTING MEANINGS ACROSS PEDAGOGIC CONTEXTS

In this seminar I will discuss an interesting mathematical task presented to teachers in an in-service upgrading programme as part of their course on teaching and learning mathematical reasoning. The task is interesting from three different perspectives: as a mathematical object in itself, in its use in a school classroom, and in its use in a mathematics teacher education class. In the seminar I will describe attention and meanings as these shift between and across different pedagogical contexts, with particular attention to the teacher education context. This description brings to light what elsewhere I have described as the dual nature of objects in mathematics teacher education, and why it matters that we examine them as they produce and are produced by culture and pedagogy.

Tea and coffee will be available before each meeting. All are very welcome.

For directions to the Mary Allan Building and any other information, contact Tim Rowland at tr202@cam.ac.uk