

Mathematical Reasoning Activities in a Year 11 Classroom



Sif Skjoldager

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Date: 27 March 2012, Tuesday

Time: 3.30 pm – 4.30pm

Venue: MME Journal Room, NIE7-03-16

Abstract

Could it be that an emphasis on the mathematical competencies dealing with the ability to ask and answer questions in and with mathematics when teaching calculus could enhance students' interest in undertaking mathematical activities? Teaching experiments have been carried out in Year 11 classrooms with the aim of exploring how the emphasis on mathematical reasoning competency would influence students' interest in mathematics. Findings from the analysis of video recordings from the teaching experiments will be presented and discussed.

About the speaker:

Sif Skjoldager is a visiting graduate student from Roskilde University, Denmark. She is currently pursuing her PhD in Mathematics Education under the supervision of Mogens Niss. Her PhD project examines the nature of mathematics teaching on high school science study programmes as well as students' interest in mathematics. In addition, she hopes to find out how the teaching of mathematics influences students' interest in pursuing further education with or within mathematics. As part of her work, she is also studying high school (Grade 11) students working in an inquiry oriented manner on reasoning and proving in Calculus.

All are Welcome!

For more information, please contact A/P Ang Keng Cheng at kengcheng.ang@nie.edu.sg.