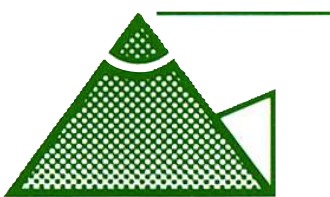


Mathematics Teachers Conference 2006

Theme: Enhancing Mathematical Reasoning

1st June 2006

National Institute of Education
1 Nanyang Walk
Singapore



Jointly organized by:

- **Association of Mathematics Educators**
- **Mathematics and Mathematics Academic Group,
National Institute of Education, Nanyang Technological University**



Programme

0800 – 0845 h Registration

0900 – 0930 h Opening of Conference

0930 – 1000 h Tea Break

1000 – 1100 h Keynote I

Primary

The nature of mathematical reasoning & how to teach it

Dr Yeap Ban Har & Mr Lee Ngan Hoe

Secondary

Enhancing mathematical reasoning at secondary school level

A/P Wong Khoo Yoong

Junior College

Mathematical reasoning in pre-university education

Prof Ling San

1100 – 1200 h Keynote II

Primary

The nature of mathematical reasoning & how to teach it (contd)

Dr Yeap Ban Har & Mr Lee Ngan Hoe

Secondary

Enhancing students' reasoning via thoughtful problem-solving activities

A/P Berinderjeet Kaur

Junior College

Mathematical reasoning: From secondary to pre-university mathematics education

Dr Toh Tin Lam

1200 – 1400 h Lunch & Tour of Stalls (Books & Teaching Materials)

1400 – 1600 h Concurrent Workshops - Participants to attend one

1600 – 1630 h Tea break

1630 – 1700 h Closing address & presentation of tokens of appreciation

Concurrent Workshops

Primary

P1 - **Developing mathematical reasoning – The role of calculators**

by A/P Ng Swee Fong

P2 - **Using short open-ended questions to develop and assess mathematical reasoning**

by A/P Foong Pui Yee

P3 - **Enhancing mathematical reasoning through journal writing in the primary math classroom**

by A/P Douglas Edge & Mr Eric Chan

P4 - **Games in primary mathematics classrooms**

by A/P Koay Phong Lee

P5 - **Generating mathematics investigative tasks from a given stem**

by Miss Chua Kwee Gek

Secondary

S1 - **Geometric reasoning through folding circles**

by Ms Teo Soh Wah & Mrs Tan-Foo Kum Fong

S2 - **Mathematical reasoning in algebra**

by Dr Toh Tin Lam

S3 - **Using investigative tasks to enhance mathematical reasoning**

by Mr Joseph Yeo B.W.

S4 - **Strategies to enhance students' reasoning in mathematics at the secondary level**

by Dr Jaguthsing Dindyal

S5 - **Engaging lower secondary pupils through mathematical reasoning**

by Dr Joseph Yeo Kai Kow

S6 - **Use of IT in the teaching of statistics**

by A/P Yap Sook Fwe

Junior College

J1 - **Using a graphing calculator to extend mathematical reasoning skills**

by Dr Ng Wee Leng

J2 - **Newton's binomial series and the computation of pi**

by Dr Paul Shutler

Abstracts of keynote lectures and workshops are available at the webpage: <http://math.nie.edu.sg/ame/>
You may also download registration forms and details.
You are advised to register early as places are limited.

Closing date for conference registration: **15th April 2006**