



Integrating New Assessment Strategies into Mathematics Classrooms



Research Questions

1. What are the influences of new assessment strategies on students' learning of mathematics in both the cognitive and affective domains?
2. How can new assessment strategies be effectively integrated into mathematics classrooms?

Project Team

Principal Investigator: Dr Fan Lianghuo (MME, CRPP)

Collaborators: Dr Quek Khiok Seng (MME)

Mrs Juliana Donna Ng Chye Huat (Cluster West 7, MOE)

Team Members: Dr Koay Phong Lee (MME)

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Ms Ng Luan Eng (MME)

Ms Ong Lee Lee (Northland Secondary School)

Dr Lionel Pereira-Mendoza (MME, GPR)

Mrs Tan-Foo Kum Fong (MME)

Ms Teh Wan (MOE)

Mdm Teo Soh Wah (MME)

Ms Yeo Shu Mei (CRPP)

Dr Zhu Yan (CRPP)

Project Manager: Ms Tiu Ting Yik, Wendy (CRPP)

Research Assistant: Mr Lim Shyang Chyuan

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New Assessment Strategies

Communication Task

2 primary schools
2 secondary schools

Researchers in charge:

Mrs Juliana Donna Ng Chye Huat
Ms Yeo Shu Mei

Performance Assessment

2 primary schools
2 secondary schools

Researchers in charge:

Dr Lionel Pereira-Mendoza
Mrs Tan-Foo Kum Fong
Dr Zhu Yan

Project work

2 primary schools
2 secondary schools

Researchers in charge:

Dr Koay Phong Lee
Ms Ng Luan Eng

Self-Assessment

2 primary schools
2 secondary schools

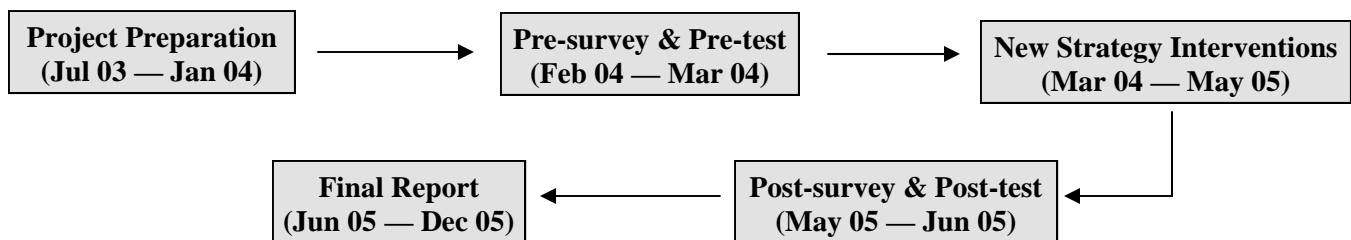
Researchers in charge:

Dr Quek Khiok Seng
Dr Fan Lianghuo
Mdm Teo Soh Wah

INSTRUMENTS

- Questionnaire surveys (Pre- & Post-)
- "New Strategy Task" Tests (Pre- & Post-)
- "New Strategy" Interventions/data:
Classroom observations,
Audio/video recordings,
Students' scripts,
Teacher and student Interviews,
Field-notes,
Teachers' personal documentation/journals.

PROGRESS OF OUR PROJECT



What we have achieved includes:

1. Two internal workshops;
2. Four papers presented at ERAS conference;
3. One AME presentation/seminar on assessment in October 2004;
4. One plenary speech and a number of workshops for the forthcoming AME-MME 2005 teachers' conference;
5. Four workshops and individual paper presentations for the forthcoming CRPP conference in June 2005;
6. An annotated bibliography on assessment and alternative assessment;
7. Individual papers for the EARCOME 3 conference in Shanghai in August 2005.

Please contact lhfan@nie.edu.sg for more information about the project.