The challenge of change – experiences of Project Maths in the initial group of schools

Bill Lynch, Aoife Kelly, Rachel Linney
Purpose of meetings in the 24 schools

- Teacher reflections – impact of Project Maths on
  - their own classroom practice
  - their use of resources
  - assessment practices
  - the school maths department
  - student learning experiences

- Feedback on syllabuses and assessment
  - Strands 3, 4 and 5
Teachers report that:

- teaching for understanding takes more time than previous approach – they need to adjust to this
- they are less confident than before about their teaching and about preparation for the exams
- they are using more varied methodologies; students are more engaged
- there is more collaboration at school level; peer support is valued
- there are signs that, as the JC experience beds in, students are better prepared for the change at LC
Some teacher comments

- *A greater demand on time for students and teachers*
- *You got so used to the paper that you knew what got them through and you did what it took, especially to get the weaker students through.*
- *I would have done more of the talking than the students ... (but not now).*
- *I’m using more teaching resources to do things differently, e.g. geogebra, and wiser use of the calculator.*
More teacher comments

- *We had no book, which in hindsight is good, because you can’t describe this teaching method in a book.*

- *Kids still have difficulty with the change from procedures; they are comfortable with procedures – it’s like order to them.*

- *There’s more interaction (now) between teachers (at school) and the focus is on maths approaches.*

- *It was hard at the start but once everything settled down... I wouldn’t go back.*
Emerging pointers

- Continued support is required if teachers are to
  - engage with syllabus learning outcomes and assessment
  - make connections across syllabus topics and strands
  - embed changed classroom practices

- Experienced or maths qualified teachers have found the change easier to manage; they have been a support for their colleagues

- It is a work in progress – continued monitoring, support and evaluation will be needed
Next steps

- Consideration of the implications of this feedback for continuing teacher support
- NFER research under way
- Informing future NCCA work