

# Hon Trevor Mallard

## Minister of Education



### **2004 Teaching & Learning Research Initiative (TLRI) Projects**

For more details on these projects, go to [www.tlri.org.nz/programmes.html](http://www.tlri.org.nz/programmes.html)

#### **Three-year contracts**

The 2004 funding round is the first at which three-year research grants were offered. Known as Category A contracts, the project funding level is set between \$120,000 and \$400,000.

#### **The Classroom InSiTE project**

*Project Leader: Alister Jones, Centre for Science and Technology Education Research, The University of Waikato.* Collaboration with teachers and students from six schools investigating classroom based interactions, values, and attitudes that contribute to student learning in science and technology.

#### **Key learning competencies across place and time**

*Project Leader: Margaret Carr, School of Education, The University of Waikato.* Investigating pedagogy designed to develop five learning competencies in ECE and early years classrooms.

#### **The role of initial teacher education and beginning teacher induction in the preparation and retention of New Zealand secondary teachers**

*Project Leader: Ruth Kane, College of Education, Massey University.* Examines beginning secondary teachers' experiences of Initial Teacher Education (ITE) and induction, identifying factors that promote or hinder teacher capability and retention.

#### **Two-year contracts**

Category B contracts are for medium-sized two-year research projects with funding of between \$75,000 and \$180,000 available.

#### **The art of the matter: Development in the arts**

*Project Leader: Deborah Fraser, Wilf Malcolm Institute of Educational Research, School of Education, The University of Waikato.* Investigating what children bring to the arts, how they develop ideas and related skills, and how teaching processes support or constrain arts education.

#### **Enhancing mathematics teaching in early childhood education**

*Project Leader: Maggie Haynes, School of Education, Unitec Institute of Technology.* Investigating what motivates and hinders effective mathematics teaching and learning for young children in three ECE settings.

#### **Enhanced teaching and learning of comprehension in Years 5-8**

*Project Leader: Stuart McNaughton, Woolf Fisher Research Centre, University of Auckland.* Collaboration with seven Otago schools to test an intervention to increase effective teaching of comprehension for Māori and Pasifika students.

#### **Understanding learning communities in tertiary science and engineering education**

*Project Leader: Mike Forret, Centre for Science and Technology Education Research, The University of Waikato.* Examining how existing systems, processes and practices influence students' and lecturers' perceptions and attitudes in science and engineering education.

### **Conceptions of assessment and feedback in secondary school mathematics**

*Project Leader: Dr Elizabeth Peterson and Earl Irving, University of Auckland.* Identifying activities and tasks in assessment and feedback that can lead to enhanced teaching and learning outcomes in two key disciplines - mathematics and English.

### **Measuring classroom literacy practice**

*Project Leader: Judy Parr, School of Education, University of Auckland.* With two clusters of schools, develop and trial classroom observation instruments in Years 1-8.

### **Investigating teachers' pedagogical approaches in environmental education**

*Project Leader: Chris Eames, Centre for Science and Technology Education Research, The University of Waikato.* Regional co-ordinators will partner with teachers to research classroom practice in environmental education.

### **The impact of technology use on the teaching and learning of mathematics in the secondary classroom**

*Project Leader: Mike Thomas, Mathematics Education Unit, University of Auckland.* Developing protocols for improving mathematics learning through the integration of technology into teaching.

### **One-year contracts**

Category C are smaller-scale projects (funded at between \$15,000 and \$40,000) which are expected to be particularly useful for practitioner-driven, researcher-supported projects.

### **Primary students' and teachers' experiences of collaborative learning online**

*Project Leader: Patsy-Ann Street, The South Learning Centre.* Collaborating with two Year 6 classes from two schools for 15 weeks on an online project on a local community issue.

### **Zeroing in on quality teaching**

*Project Leader: Christina Harwood, Massey University College of Education.* Exploring the multiple impacts of curriculum and pedagogical innovation on learning for students, especially Māori.

### **Investigating responses to diversity in a secondary environment**

*Project Leader: Lindsey Conner, Christchurch College of Education.* Examining the policies and practices used by Linwood College in response to its diversity of students.

### **Pasifika teachers in secondary education**

*Project Leader: Tony Brown, School of Education, The University of Waikato.* Examines the experiences of Pasifika secondary teachers, and initiatives for recruitment and retention.

### **Developing rich mathematical language in Māori immersion classrooms**

*Project Leader: Tamsin Meaney, University of Otago.* Document and evaluate the scaffolding and modelling strategies of teachers in a Māori medium school.

### **A collaborative self-study into the development of critical literacy practices**

*Project Leader: Susan Sandretto, University of Otago.* Self-study research in two schools and four classrooms, where participants investigate their own professional practices.

### **Effective teacher education practice**

*Project Leader: Valerie Margrain, The Open Polytechnic of New Zealand.* Exploring the role lecturers' written post-assessment feedback to student teachers plays in the students' learning and support.