# National Literacy and Numeracy Week 2008
## Project Report

<table>
<thead>
<tr>
<th>Project title:</th>
<th>K-4 Numeracy Problem Solving Utilising Interactive Technology</th>
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| Project description: | To further enhance the school’s numeracy plan by implementing three strategies aimed at improving students’ problem solving skills in the Early Years K-4. The emphasis is on the utilisation of interactive learning objects on the SMARTboards and class computers to learn problem solving skills. The project had 3 parts:  
A) Professional Learning – for staff on integrating technology and problem solving  
B) Parent Information Evening – CMIT framework and practical applications  
C) Maths Enrichment Day – Early Stage 1/Stage 1 students and Stage 2 Peer Leaders and parent helpers. |
| Person responsible for project: | Sue Willcocks and Debbie Baker (Assistant Principals) |
| School, region, diocese: | Ross Hill Public School, Inverell, New England North School Education Area |
| Contact person’s email: | susanne.willcocks@education.nsw.edu.au  
deborah.s.baker@education.nsw.edu.au |
| Number of students, teachers, parents, other community members directly involved: | 305 students, 18 staff, 10 parents involved |
| Intended literacy and/or numeracy outcomes: | to develop students’ competence and confidence in applying number strategies, interacting with technology and problem solving in practical situations with a focus on counting on  
to build the professional capacity of staff in early number strategies, problem solving and use of interactive technology  
to develop parents’ understanding, enjoyment and appreciation of numeracy strategies and to support their children in the home environment. |
| Evidence of achievement of intended literacy and/or numeracy outcomes: | The Literacy and Numeracy Week project was a highlight during Term 3. There was an overwhelmingly positive response by staff to the professional learning workshop and parents were actively involved in the Parent Information Evening activities, with several parents requesting a follow-up session and all parents selecting ‘games’ to take to help their child at home. The Mathematics Enrichment Day involved all K-2 staff and students, Stage 2 peer leaders and parent helpers in a fantastic day of learning with students rotating through activities using the SMARTboards, computers and off-computer learning games.  
- All staff ‘Strongly agreed’ that students were actively engaged in the learning opportunities.  
- Parents and peer leaders indicated that all students were actively involved in the sessions and demonstrated enjoyment and confidence.  
- 100% staff indicated positive development of students’ confidence and competence in using the SMARTboards and computers.  
- Feedback from staff also identified that the sessions could have been a little longer to allow students more time using the technology.  
- 100% students rated the interaction with technology and the activities they had participated in as ‘Very high’. |
- 100% students indicated they would like to participate in another Mathematics Enrichment Day to support their learning.
- Staff involved in the professional learning workshop developed their understanding of early number strategies, problem solving and interactive technology through participation in sessions led by the Count Me In Too and Counting On facilitators and by extending their thinking through the supported planning of activities for the Enrichment Day. Staff indicated appreciation for the opportunity to focus on using the Interactive technology.
- 100% parents surveyed identified Parent Information Evening as extremely helpful. 80% parents indicated they would be interested in attending another Mathematics Information Evening. 100% parents made games to take home to help their child with Counting and Counting On.

**Other information:**
- **Attached are:**
  - example of Mathematics Planning page used by staff to develop activities for the Mathematics Enrichment Day.
  - sample Enrichment Day Evaluation
  - Parent Evening invitation
  - page of photos showing a range of the activities students and parents were involved in during the project.

**Feedback about making grants available for such projects:**
The Literacy and Numeracy Week grant provided an opportunity to develop quality professional development for staff and learning opportunities for the students in Mathematics in addition to current practice. It also provided an opportunity to promote Literacy and Numeracy to the wider community and create capacity in our parent community for developing early number skills and an understanding of Interactive technology in the classroom.

See materials attached:
Ross Hill Public School

Literacy and Numeracy Week 2009

Mathematics Enrichment Day