

### **Use of Digital Tools**

A key strategy was the use of digital learning tools. The school has adopted one program that has a strong emphasis on staged learning activities, with an emphasis on the language of mathematics. That is, the instructions are spoken to the students, and the language (in this case, of space and shape) were constantly revised for the students. This was seen to be important for the students since their home language is different from that of Standard Australian English. The program is levelled so the teacher can target the activities for the individual students, and at the content that is being taught. The students engaged with the computer activities. This was incorporated at the end of the lesson so that as students completed their set tasks, they could consolidate their learning on the concepts and processes that had been a feature of the lesson. The activities reinforced their learning. The better activities also had spoken language so that the students could hear the mathematical terms.

# Benefits for Learning and Learners



## Independent Learners The teacher needs to work with students on their

The teacher needs to work with students on their different tasks, so a high level of independence has been fostered among the students. All students remain on task for the duration of the lesson. The teacher has developed a culture within the class that dispositions the learners to work independently.



Each student is assessed using various assessment tools, but most notably is that which focuses on growth points. From this knowledge, lessons and activities are targeted for individual students. Questions in the whole lesson are targeted for specific students, depending on where they are in the learning continuum. The teacher needs to have a strong understanding of each students' needs and strengths.

The teacher draws on a range of resources to build learning experiences suitable for moving students to new growth points. The activities are structured carefully to build understandings.



Depending on the lesson and the activities, there are times (and opportunities) for the older (or more advanced) students to help their peers through peer tutoring.

#### Model for Quality Learning

#### Implications for Mathematics

There is great diversity in a whole school classroom so teachers need to have targeted mathematics teaching/learning activities for students.

#### Focused Strategies

- Identify students' learning needs and develop activities to consolidate and extend learners.
- Include resources developed from the local experiences of the students to support engagement and recognition of the home worlds
- Target questions to the levels of the students.

It has been very pleasing to hear that community members are accessing our Wanalirri website and weekly newsletters to find out more about the school. We are really pleased for people to know about and share the great work that goes on here. You'll find even more good news at

http://www.canberra.edu.au/research/faculty-research-centres/stem-education-research-centre/research-projects/remote-numeracy