

# Nowra Public School

## Mathematics In Indigenous Context





# Background Information

- ◆ Focus on two classes one of each, ES1 and Stage 1.
- ◆ Stage 1 class of 21 students.
- ◆ ES1 class of 20 students.
- ◆ 8 Aboriginal students involved in the project.
- ◆ Nowra Public School's Corporate Program has implemented the use of the 'NSW Targeting Maths' Text book in Stage 1, 2 and 3.
- ◆ 1 of the 2 participating teachers has attended Count Me In courses.
- ◆ Minimal parent involvement within classrooms due to a variety of reasons (young children, working or lack of transport).

# Quality Teaching Indigenous Project

- ◆ Embedding local cultural knowledge into the school scope and sequence.
- ◆ Whole school workshops with community.
  - ❖ AEA (Ruth Simms)
  - ❖ Academic Advisor (Joanne Buckskin)
  - ❖ Quality Teacher Consultant (Michelle Brook)

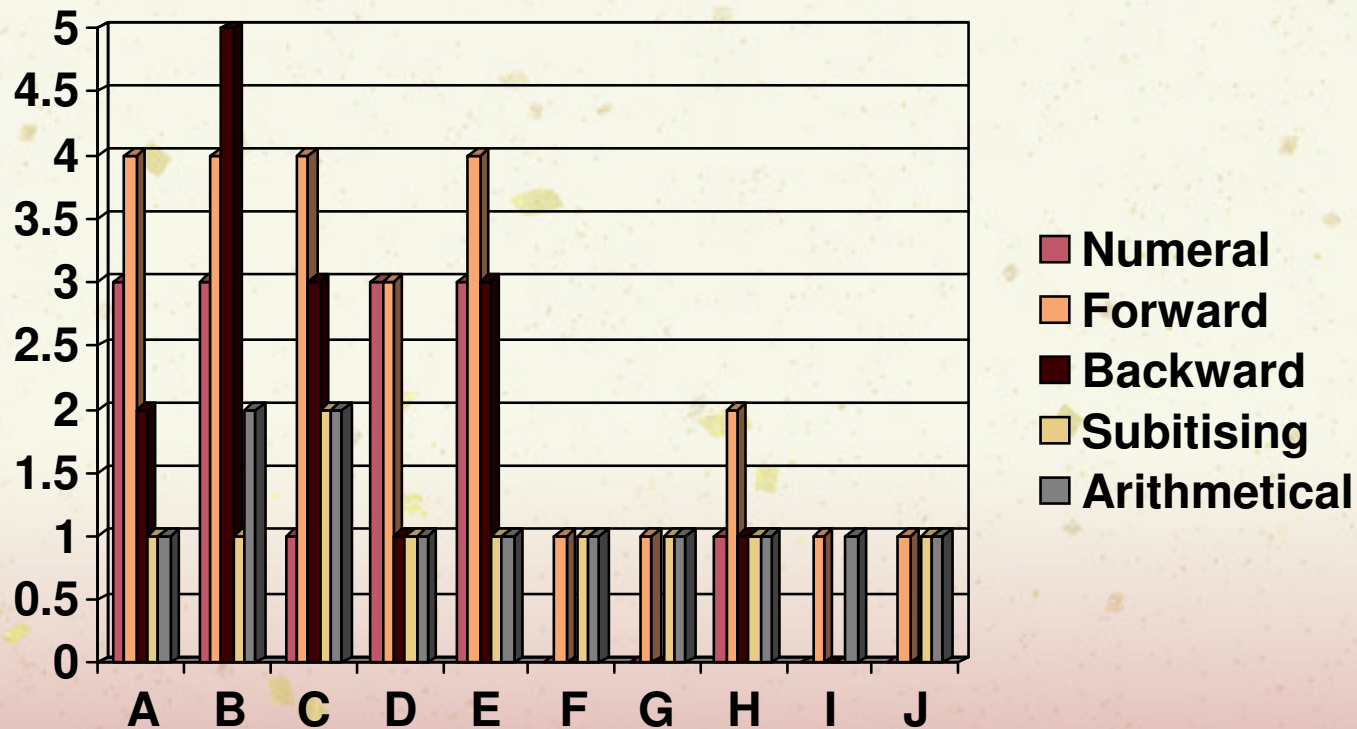


# Starting Point

- ◆ Meeting with parents.
  - ❖ Reflecting on their mathematical experiences.

*“Everything’s to do with Maths these days”.*

# SENA 1



- ◆ A total of 10 students from Aboriginal and non-Aboriginal backgrounds were assessed.

# AEA Role

- ◆ Provided a link with community and school.
- ◆ Member of M.i.I.C team.
- ◆ Team teaching.



# Strategies to work with community

- ◆ Aimed to build on relationships.
- ◆ Developed peer partnership in learning.



# Language and Mathematics

- ◆ Building on home language.
- ◆ Model correct terminology.
- ◆ Mathematical Word walls.
- ◆ Monitoring student language use.
- ◆ Mathematical Big Books





# Classroom Strategies

- ◆ Count Me In Games.



# More Classroom Strategies

- ◆ Peer Maths groups (buddies).



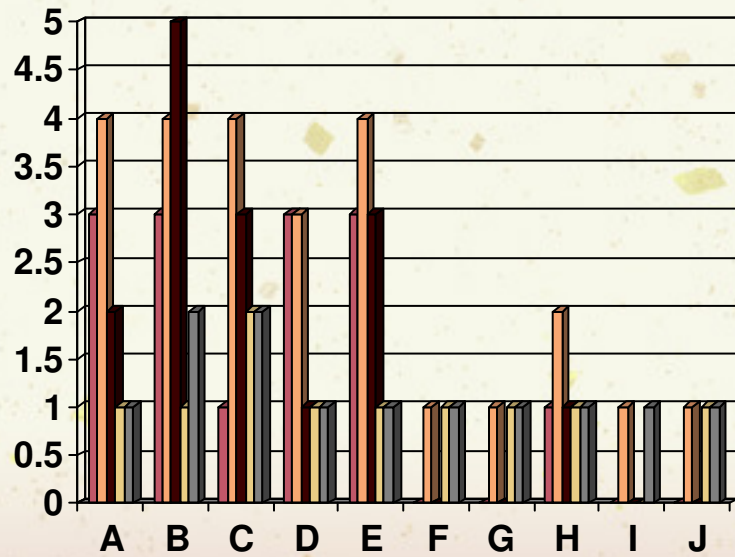
# Our Achievements

- ◆ Change in teaching of mathematical language.
- ◆ Peer Mathematics Groups.
- ◆ Improved relationships with the community.

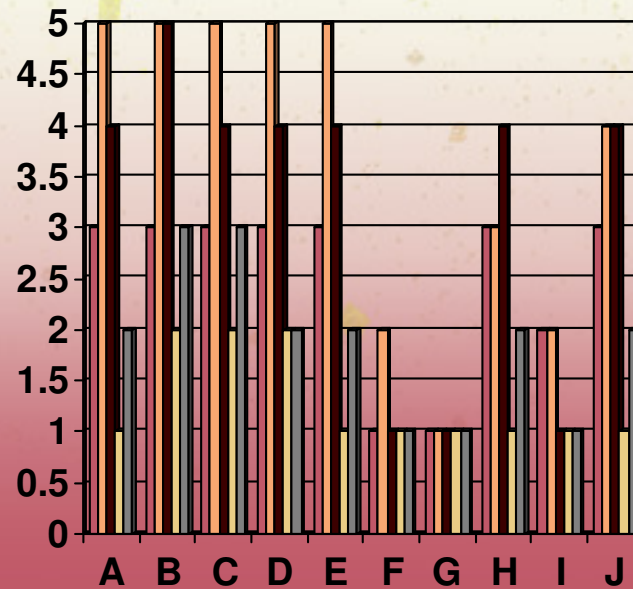




# SENA Comparison



- Numeral
- Forward
- Backward
- Subitising
- Arithmetical



- Numeral
- Forward
- Backward
- Subitising
- Arithmetical

# Where to next?

- ◆ Sharing our findings with staff.
  - ❖ Maths workshops during buddies.
- ◆ Look toward to a whole school approach using Count Me In framework.
- ◆ Moving away from planning to cover content, towards planning for what students need based on achievement.
- ◆ Kinder Transition Program.