

Morgan Primary School



Ph: 8540 2102 www.morganps.sa.edu.au

We Strive With Pride

Our Beliefs about Numeracy:

At Morgan Primary School we support students to develop the knowledge, skills, behaviours and dispositions that are needed to use mathematics in a wide range of situations. It involves students recognising and understanding the role of mathematics in the world and having the dispositions and capacities to use mathematical knowledge and skills purposefully. Numeracy is developed through students understanding what numbers mean, their relationship to one another, performing mental mathematics and using number in authentic situations across all learning areas. We embed the Big Ideas in Number teaching sequence into our practice to develop students' deep sense of number and ensure a consistency in mathematical language across the site.

The Whole School Numeracy Agreement ensures a consistent approach and consistent language is being used across the site. All teachers are confident and competent in teaching Numeracy with consistent R-6 pedagogies that align with the guidebooks.

How it looks in practice:

The Numeracy Block

- The Numeracy block exceeds the recommended 300 minutes per week to ensure that Numeracy skills and knowledge are integrated across the curriculum. Whole school programming and planning is aligned so classrooms have consistency.
- A whole school planning template has been created that is aligned to the 5 principles of quality unit plans; this includes
 - o Clear Learning Intentions tied to achievement standards
 - Links to students prior learning and allows for multiple learning points
 - o Sequenced learning activities tied to assessment tasks to deliver learning intentions
 - o Formative and summative assessment tasks with clearly stated evidence of learning
 - o Clear connections with numeracy guide books
- The high impact teaching strategies that underpin numeracy teaching are implemented through the use of Learning Goals and Success Criteria. Students are involved in co-creating their Numeracy goals based on data, formative assessment and feedback.
- An agreed lesson sequence is followed for the explicit teaching of maths. See attached sequence.
- The Australian Curriculum, Teaching for Learning Framework and Numeracy Progressions are implemented.

Intervention

Teachers will plan and implement learning design that intentionally includes a responsive pedagogical approach based on the Big Ideas in number, through targeted intervention in response to learner needs following the collection of data from the diagnostic tools. Intervention occurs 4 times per week and is fluid according to the data and ongoing formative assessment.

	Year Level										
Big Idea	R	1	2	3	4	5	6	7	8	9	10
Trusting the Count											
Place Value											
Additive to Multiplicative Thinking											
Partitioning											
Proportional Reasoning											
Generalisation											



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How we develop teaching practice:

Collaborative Culture

At Morgan Primary School we value teacher efficacy and support the teaching and learning of all students at our site, therefore teacher's work together to support student outcomes. To strengthen collaborative culture, staff are provided with opportunities to work collaboratively with teachers across the Waikerie Partnership to build capacity with the Big Ideas in Number.

Peer / leader/ Observations

Walkthroughs and observations occur to provide evidence in the Step 4 process of the Site Improvement Plan. They also provide teachers with feedback to improve practice and student outcomes. All teachers are offered the opportunity to observe each other's numeracy practice and share feedback to improve practice.

Professional Development

Teachers are supported with professional learning that is linked to their Personal Development Plan.

Data collection

Student progress is monitored through the collection of a range of data and evidence including, formative assessment, rubrics, notes, photos and observations.

Testing	Term 1	Term 2	Term 3	Term 4
PAT M				
NAPLAN				
Big Ideas in Number Diagnostic				
Tools				
A-E Grades				

Wave 1	Wave 2	Wave 3
Whole class explicit teaching BliN strategies Mental Routines Problem Solving Maths Online	Small Group Instruction Maths Online Guided Activities Numeracy Groups	1:1 SSO support Intensive explicit teaching

Resources

- The Australian Curriculum provides the content and standards for learning programs
- Department for Education Scope and Sequence and Curriculum Units
- Teaching Mathematics Foundation to Middle Years- (Sieman et al)
- Best Advice papers describe recommended practices for all students
- Big Ideas in Number Common Misunderstanding Tools and Teaching Advice Rubrics
- National Numeracy Learning Progressions
- Guidebooks
- Visible Learning for Numeracy Fisher, Frey and Hattie