



Numeracy

Standards of Achievement & Agreements



	Rec	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
BliIN	Trusting the count							
	Place value							
	Multiplicative thinking							
	Partitioning							
NAPLAN				Band 3 and above		Band 5 and above		Band 6 and above
PAT Maths				101	110	112	120	121

SITE IMPROVEMENT

To develop student's problem solving skills through critical and creative thinking

- 90% students in Year 3, 5 and 7 achieve the DECD standard of educational achievement in NAPLAN
- By the end of 2018 all students will improve their mathematic problem-solving skills as measured by a 10% gain in PAT Mathematics

KEY AGREEMENT

- Each classroom will provide a minimum of 300 minutes numeracy learning time each week
- Each classroom will run structured Numeracy lessons a minimum 4 times per week. This may include:
 - Mental/Quick Maths to automatise basic number facts and develop fluency
 - Whole Class Concept Instruction to communicate success indicators, activate prior knowledge, explicitly model mathematical thinking, teach mathematical vocabulary
 - Guided/differentiated skills practice (catering for struggling students as well as stretching those who need extending)
 - Problem solving – worded problems
 - Manipulatives (hands on tasks)
 - Use of ICT
 - Students articulate and share conceptual understandings and mathematical strategies. Teacher provides summary of key ideas.
- All students to participate in BliIN groups 2x45 mins per week to develop an understanding of number and operations. Whole school programs runs from week 6 term 1 until the end of week 5 term 4.
- Programs to be handed in term 1 & 3 with proof of the Australian Curriculum (Achievement Standards, Capabilities in particular the Numeracy Continuum)
- All students will have a numeracy goal as part of their Personal Learning Plan

ASSESSMENT AND INTERVENTION

- Evidence of catering for students' needs after collecting assessment data
- Range of assessment strategies employed including diagnostic tools, NAPLAN, PAT M, classroom observations and authentic assessments
- **One Minute Maths Tests** – completed in term 1 and 4 for years 1-7
- **BiIn diagnostic tools** – completed when students enrol at WMPS, complete when students need to proceed into the next level
- **NAPLAN** – Term 2 Years 3, 5 and 7
- **PAT-M** – Term 4 Years 1-7
- **Quick Maths** - Intervention for identified Yr 4-7 students who need extra support. Reviewed each term.
- **Numicon** - Intervention for identified Yr 1-3 students who need extra support. Reviewed each term

CLASSROOM EVIDENCE

- A range of Numeracy tools are organised and easily accessible
- Maths games
- Number charts (0-99 is preferable to 1-100)
- Numeracy Kit/Resources
- Classroom allows for whole class, small group and individual task learning
- Maths language displayed- explanations and examples students' work displayed in the classroom
- Vocabulary wall
- Stories/ books about maths- fiction and non-fiction
- Maths dictionaries
- Problem solving strategies displayed
- Examples of Numeracy in day to day classroom practices- charts, graphs, timetables etc.