PATTERSON LAKES PRIMARY SCHOOL

No. 5190

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MATHEMATICS POLICY

RATIONALE

Mathematics pervades all aspects of our lives - as citizens, in our homes and in the workplace. It has applications in all human activities, crossing cultural and linguistic boundaries to provide a universal way of solving problems in such diverse areas as science and engineering, business and finance, technology, arts and crafts and many everyday activities. Competence in mathematics is integral to successful participation in modern society.

AIMS

Through learning mathematics in school, students will:

- acquire useful mathematical and numeracy skills to deal confidently and competently with daily life.
- solve practical problems with mathematics based on everyday, real life concepts.
- see mathematical connections and be able to apply mathematical concepts, skills and processes in posing and solving mathematical problems
- be confident in one's personal knowledge of mathematics.
- be empowered through knowledge of mathematics to apply this knowledge in practical situations.
- develop an understanding of the dynamic role of mathematics in life, society and work in social and technological change.
- recognise the fundamental importance of mathematics to the functioning of society.
- use technology appropriately and effectively to support the learning of mathematics.

ADMINISTRATION

- The Mathematics domain is an essential component of the Discipline-based Learning strand of the AusVels Curriculum.
- All students will study a sequential Mathematics course based upon the learning foci contained within the AusVels Curriculum.
- Student's individual abilities will be measured consistently throughout units of work, and learning opportunities will be provided to cater for the identified needs of each student.
- Student progress will be reported in half and end of year academic reports, as well as be reported in the school's annual report. Data is logged onto the school database.
- The school will administer and analyse a range of assessment options including; On Demand tests, observational notes, PAT testing, DMT and teacher records.
- A Mathematics program budget will be developed by staff and resourced by school council.
- A staff member will be allocated the responsibility of coordinating the school's Mathematics program and the school's involvement in various Mathematics competitions, activities and incursions.

IMPLEMENTATION

- Mathematics planning is a team based approach
- All teams to plan using an agreed upon format ie. weekly, termly, yearly and will follow a whole school lesson structure
- Mathematical Learning Intentions (WALT) and Success Criteria (WILF) to be displayed at the commencement and throughout every Mathematics lesson
- A minimum of 5 hours of mathematics instruction per week will be implemented
- Hands on activities and incorporation of ICT will be components of mathematical teaching and learning
- A differentiated Mathematics program will be planned with identified focus groups
- Summarising (reflecting) on strategies and the language of mathematics is at the conclusion of each lesson
- Staff will show evidence of the use of Individual Learning Improvement Plans for students who are more than 12 months below and above the expected level
- Support staff will be provided with the necessary resources and information to assist in Mathematical development

EVALUATION

This policy will be reviewed as part of the school's three-year review cycle.

Last updated: September 2013

CERTIFICATION
This policy was adopted at the School Council Meeting held at Patterson Lakes Primary School, in September 2013.

Signed…… Signed……..…
School Council President Principal

Patterson Lakes Primary School
Mathematics Whole School Structure

integrity learning for life respect excellence

Week/Date	**Content Strand**		**Sub Strand (s)**		**Proficiency Strand (s)**
Weekly Learning Intention			Key Mathematical Language		
Daily Learning Intention	**Session 1**	**Session 2**	**Session 3**	**Session 4**	**Session 5**
NUMBER FLUENCY (10 mins)					
LAUNCH: *Engage*-10min 					
DISCOVER: *Explore, Explain, Elaborate*-25min 					
Fluid Focus Groups					
SUMMARISE: *Evaluation*-10min 					
Observation and/or Assessment For, As, Of					

Last updated: September 2013