



# Mathematics

## POLICY

Mount Pleasant Road Primary School

### A. **Rationale:**

A.1. Mathematics is a life-long skill and pervades all aspects of our lives. 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 and the arts and many everyday activities. Competence in mathematics is integral to successful participation in modern society.

### B. **Aims:**

B.1. Through learning mathematics in school, students will:

- B.1.1. Develop useful skills so they can deal confidently and competently for daily life including employment, further study and interest
- B.1.2. Be able to interpret and communicate quantitative and logical ideas accurately
- B.1.3. Be able to problem solve and apply critical thinking
- B.1.4. Recognise the fundamental importance of mathematics to the functioning of society
- B.1.5. Understand and appreciate the nature of mathematical thinking, the processes by which mathematics changes and its cultural role
- B.1.6. Use technology appropriately and effectively to support the learning of mathematics, and in carrying out mathematical activities in context.

### C. **Implementation:**

- C.1. All students at our school will study a sequential Mathematics course based upon the outcomes contained within The Victorian Curriculum.
- C.2. All teachers are required to work with their respective teams to develop and implement a Mathematics course for all students.
- C.3. Staff will meet throughout the year in Professional Learning Teams to discuss best practice and the goals in the Annual Implementation Plan
- C.4. The school will fully implement the Early Years Numeracy Program.
- C.5. Student's individual abilities will be assessed according to the Assessment Schedule (held in Curriculum Folders) using a range of formative and summative assessments and learning opportunities will be provided that cater for the identified needs of each student.
- C.6. Student progress in all dimensions of Mathematics will be reported in half and end of year academic reports and termly in portfolios.
- C.7. Mathematics will be studied for at least 5 hours per week.
- C.8. A staff member will be allocated the responsibility of co-ordinating the school's Mathematics program and the school's involvement in the various Mathematics competitions and exhibitions available.
- C.9. The staff member responsible for co-ordinating the school's Mathematics program will develop a budget that provides for the needs of the Mathematics program with staff and resourced by School Council.

### D. **Evaluation:**

- D.1. This policy will be reviewed as part of the school's three-year review cycle.

**E. Definitions:**

**E.1.** Early Years Numeracy Program (ENRP Early Numeracy Research Project):

**E.1.1.** A comprehensive resource designed for schools to use in planning and implementing a strategic approach to early mathematics teaching and learning in the first five years of schooling. The material is based on research findings by Hill and Crevola related to School Improvement. The ENRP included the development of a framework of early mathematics learning in Number, Measurement and Space and the development of an assessment instrument to use twice yearly with Prep to Year 2 students.

**E.2.** The Victorian Curriculum F–10:

**E.2.1.** The Victorian Curriculum Foundation–10 (F–10) sets out what every student should learn during their first eleven years of schooling. The curriculum is the common set of knowledge and skills required by students for life-long learning, social development and active and informed citizenship. The Victorian Curriculum F–10 incorporates the Australian Curriculum and reflects Victorian priorities and standards.

**F. References:**

**F.1.** The Victorian Curriculum:

<http://victoriancurriculum.vcaa.vic.edu.au/mathematics/introduction/scope-and-sequence>

**F.2.** Circular 2491200 1 - Early Years Numeracy Program

**F.2.1.1.1.** <http://www.education.vic.gov.au/school/teachers/teachingresources/discipline/maths/Pages/enrp.aspx>