Mathematics

Learning Areas

Rationale

Mathematics provides a way of thinking and communicating logically about events and objects in our world. It is vital for problem solving and plays a fundamental role in enabling social and technological advances. It empowers our students to be critical citizens in contemporary society for the future.

Number, Algebra, Measurement, Geometry, Statistics and Probability, are common aspects of most people's mathematical experience in everyday situations and in their understanding of the world. It is important to fully develop the potential of each student in acquiring mathematical concepts.

Aims

- To foster a commitment on behalf of the whole school community to provide a successful numeracy program.
- To develop in children, an understanding of basic ideas and competencies in Number & Algebra, Measurement & Geometry and Statistics & Probability and the proficiencies of understanding, fluency, problem solving and reasoning.
- To embed the proficiencies (understanding, fluency, problem solving and reasoning) across each strand.
- To develop in children the skills to quantify, estimate, classify, order, measure, represent, symbolise and problem solve in everyday life.
- To prepare children for a lifetime of mathematical learning and to apply skills to real life situations.
- To provide a supportive learning environment that focuses on skill development and a growth mindset.
- To ensure that the Mathematics policy & programs of the school meet the learning needs of students at different stages in their development.
- To provide ongoing professional development for teachers to develop the skills and understandings necessary for full implementation of the Cairnlea Park Primary School Numeracy programs and initiatives.
- To strengthen the home and school partnership and its links to numeracy achievement.
- To communicate accurately with all families the progress of their child in terms of numeracy.

Implementation

- The Victorian Curriculum, regional guidelines, Mathematics Developmental Continuum and Department of Education and Training (DET) initiatives will be used as the basis of our Mathematics program through-out the school.
- Provision of resources will be targeted to meet the learning needs of students at different stages in their development.
- A minimum five hours of focused numeracy sessions according to the CPPS Instructional Model and Non-Negotiables will occur throughout the school each week. Components of this will be directed by regional and/or state guidelines.

- A wide range of educational approaches and strategies to meet the needs of each child will be utilised in the teaching of Numeracy throughout the school.
- Teachers will use a range of formal and informal assessment and evaluation strategies in various contexts to measure student progress, learning styles and future needs. A Prep – 6 Assessment Schedule details the assessments for each stage of learning and will be annually evaluated. Team leaders will oversee implementation of assessments for their year level in conjunction with the numeracy leader/s.
- Teachers will be expected to actively participate in ongoing professional development.
- Parents will be encouraged to participate in their child's mathematical learning.

Communication

This policy will be communicated to our school community in the following ways

- Available publicly on our school's website
- Included in staff induction processes
- Available on our staff network
- Discussed at staff briefings/meetings as required
- Made available in hard copy from school administration upon request

Evaluation and Review Cycle

The whole school Numeracy approach will be reviewed annually.

This policy will be reviewed as part of the school's 4-year review cycle, unless an issue arises which requires prior review.

Document Status

Reviewed	School Council Ratification	Next Review
School Council Meeting	June 2026	2030