

MATHEMATICS POLICY

Rationale

Mathematics has a fundamental role in all aspects of our lives; enabling mathematics to be explored within and across other disciplines, equipping students with conceptual understanding. Students at Alphington Primary school learn Mathematics skills and understanding in Number and Algebra, Measurement and Geometry, and Statistics and Probability. These numeracy capabilities are integral to successful participation in modern society. Student learning develops and refines mathematical understanding, fluency, logical reasoning, analytical thought and problem solving.

Aims:

To

- Appreciate, enjoy and use mathematics language in its different forms.
- Recognise the fundamental importance of Mathematics in society.
- Foster self-motivated, confident and creative learners of Mathematics.
- Make informed decisions through problem solving in familiar and unfamiliar situations, applying mathematical strategies and reasoning.
- Develop an understanding of the interrelated concepts of mathematics and how these apply across disciplines.
- Enable students to apply mathematical concepts and understandings to their personal lives.

Implementation:

1. The main reference for teaching Mathematics will be the AusVELS.
2. A staff member is allocated the responsibility for coordinating the Mathematics program and manages the Mathematics budget.
3. Teachers document and implement a consistent whole school pedagogical approach to the learning and teaching of Mathematics.
4. Mathematics learning is a minimum of 5 hours per week timetabled early in the school day where possible.
5. Opportunities are provided for all students to experience success through the development of sequential mathematical competencies.
6. Student progress will be reported to parents twice yearly and in the school's Annual Report.
7. Student achievement is monitored and assessed using formal and informal measurements including standardised assessments, teacher assessments and personal goal setting and reflection.
8. A differentiated Mathematics learning program is provided to stimulate and challenge the diverse needs of students.
9. The school provides support for students with special learning needs including the use of Individual Learning Plans.
10. Students are provided with opportunities to explain, justify and generalise their mathematical thinking, and make connections with the real world.

11. Teacher capacity is enhanced through targeted and relevant professional development.

Evaluation

This policy will be reviewed as part of the school strategic plan review.

This policy was last ratified by School Council in ...

May 2014