



MATHEMATICS

Revised May 2016

Introduction

Mathematics is a tool for making sense of and operating within the real world. It is an essential form of communication in our society. Mathematics requires an understanding of rules, facts, and processes and develops a pattern of reasoning that translates into everyday life and creates efficient thinkers.

Students learning at Somers Primary School will be enriched through the provision of a program which ensures that students become mathematically confident and literate.

Aims

- To provide opportunities to acquire mathematical skills and knowledge that will enable each student to deal confidently and competently with his/her daily life.
- To develop students' knowledge and skills in using mathematics for his/her future learning and life.
- To enable students to communicate quantitative and logical ideas clearly and precisely.
- To allow students to develop an understanding and an appreciation of the nature of mathematical thinking and its cultural role.
- To develop students' understanding of the dynamic role of mathematics in social and technological change.
- To provide programs which will provide opportunities to support and extend the mathematical abilities of each child.

Implementation

- The aims will be achieved by developing programs based on the Australian Curriculum.
- The Mathematics Program throughout the School will focus on student's needs and seek to address their mathematics learning accordingly.
- Classroom Mathematics Programs will aim to extend and support children of all abilities. Higher achieving maths students will be involved in specific School-based extension programs. Children needing assistance will be catered for in the classroom or in special assistance programs.
- The Mathematics coordinator will have the responsibility of distributing course information, developing maths budgets, acquiring resources and materials, and all other aspects of the program.
- Mathematics will be taught to all students, using all appropriate mathematical resources, including computer programs.
- A minimum of five hours mathematical instruction will be given per week.

- A system of Maths Rotation will be used to meet the diverse needs of Yrs 1-6 in term 1, and Yrs P-6 in terms 2-4. Students will be pre-tested and grouped according to their test results, followed by a post test.
- All teachers will regularly assess students' progress and adjustments will be made to the program as required. In Years 3-6, the VCAA online tests will be used.

Assessment

A student's mathematical progress will be assessed using the following criteria:

- Using Assessment of Learning Outcomes achievements according to the appropriate Levels in the Curriculum Standards Framework 11.
- Using the assessment documents which form part of the published Mathematics program which is being used.
- Performance in the mathematics tasks in the NAPLAN, Early Years and VCAA Testing program.
- Performance in any extension or remediation programs.
- Performance in special programs such as maths talent quests, maths competitions, etc.