Policy # C10

St. Albans Primary School

MATHEMATICS POLICY

Help for non-English speakers
If you need help to understand the information in this policy, please contact the office on 9366 2832

PURPOSE

St Albans Primary School implements a guaranteed and viable curriculum of essential mathematical skills and knowledge at each level of the Victorian Curriculum.

Mathematics is a key component of the Victorian Curriculum that organises mathematical content into the following strands:

- Number and Algebra
- Measurement and Geometry
- Statistics and Probability

There are four proficiency strands of the Mathematics Curriculum that describe the actions in which students can engage in when learning and using the content:

- Understanding
- Problem Solving
- Fluency
- Reasoning

Students need to recognise that mathematics is constantly used outside of the classroom and mathematical skills are applied in a wide range of familiar and unfamiliar situations in everyday life. Students will identify the interconnected nature of mathematical knowledge to other learning areas. An understanding of mathematical terminology and the specific uses of language in mathematics is essential for creating future global citizens.

SCOPE

The scope of this policy is all students that attend St Albans Primary School.

POLICY

The teaching and learning of Mathematics at St Albans Primary School is oriented towards problem solving tasks, investigations and real-life applications of Mathematics.

Aims

The Mathematics Curriculum at St Albans Primary School will enable students to:

- Experience a mathematics curriculum that systematically covers guaranteed and viable learning goals across the strands of mathematics throughout all levels of the curriculum.
- Experience a differentiated and challenging curriculum that develops high-level thinking and self-directedness whilst supporting all students at their assessed point of need.
- Participate in learning experiences that support the application of mathematical knowledge and skills in real-life and problem-solving contexts.
- Make connections in mathematical learning with other curriculum areas and contexts.
- Have frequent opportunities to use a variety of manipulatives including digital and hands-on mathematical resources within their classroom.
- Confidently communicate and record mathematical understanding.

Appreciate the fundamental importance of mathematics in community and civic life.

St Albans Primary School will implement the Mathematics Curriculum in the following ways:

- Teachers will report on student progress in Mathematics using the Victorian Curriculum and Individual Education Plans.
- Teachers will follow the whole school assessment schedule in Mathematics.
- A focus on learning growth will drive the implementation of a differentiated curriculum catering for all students, whether at, below or above the expected level of progress.
- Timely intervention will be implemented for students progressing below the expected level.
- Teachers will use the school's Mathematics Essential Learning Scope and Sequence (derived from Victorian Curriculum standards in Mathematics) to prepare assessments, plan for student learning and to identify the next point of learning in each student's progress.
- Teachers will share skills, knowledge and expertise through collaborative dialogue and planning as part of participating in Professional Learning Teams (PLTs).
- A minimum of five hours of learning in Mathematics will occur over each five-day school week, with a specific purpose for each session.
- A variety of flexible student grouping strategies with be used by teachers based on the needs of students as determined by assessment data.
- Planning documents and student work will reflect a balance of learning tasks that provide students with opportunities to learn mathematical skills and processes. Students will make connections in their understandings and develop mathematical fluency and reasoning as they engage in problem solving that replicates real-life scenarios.
- Teachers will ensure that students have access to a range of learning materials in each mathematics session, including digital and hands-on resources, while providing explicit teaching and support to assist students as they learn with these resources.
- The Numeracy Instructional Leader and Primary Math Specialists will work with School Leadership to oversee the Mathematics Policy and the implementation and evaluation of the school's Mathematics Essential Learning Statements.
- A Mathematics Program Budget will be established and evaluated each year to ensure adequate resource provision across the school.
- The Numeracy Instructional Leader and School Leadership will determine the need for staff professional learning in Mathematics and will organise provisions where appropriate.

The Numeracy Instructional Leader and Primary Math Specialists will promote Mathematics throughout the school, utilising opportunities such as National Numeracy Week and an annual family maths night.

REVIEW CYCLE

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

COMMUNICATION

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

- Available publicly on our school's website
- Discussed at staff meetings
- Hard copy available from school administration upon request

FURTHER INFORMATION AND RESOURCES

Numeracy Portal
https://www.education.vic.gov.au/school/teachers/teachingresources/discipline/maths/Pages/numeracyportal.aspx

Victorian Curriculum
https://victoriancurriculum.vcaa.vic.edu.au/mathematics/curriculum/f-10

POLICY REVIEW AND APPROVAL

Policy last reviewed	August 2023
Approved by	Principal
Next scheduled review date	August 2027