

MATHEMATICS POLICY

Time: 6 hours per week

Teaching model: stand alone subject

Rationale:

Learning mathematics creates opportunities for and enriches the lives of all Australians. It develops the numeracy capabilities that all students need in their personal, work and civic life, and provides the fundamentals on which mathematical specialties and professional applications of mathematics are built. It provides ways in solving problems both in specific contexts such as engineering or technology as well as in every day activities.

Children need to be competent and confident users of Mathematics.

Purpose:

1. To enable students to acquire the mathematical knowledge, language, ways of thinking and confidence to use mathematics to conduct everyday affairs and engage in further mathematical study.
2. To enable students to gain pleasure from and develop a positive attitude towards Mathematics.
3. To enable students to see that Mathematics is relevant to them, their families and wider society.
4. To develop children's ability to apply knowledge to solve problems using a variety of strategies and investigative procedures, to verbalise the reasoning involved, to positively evaluate their work.
5. To lay foundations of future learning by building understanding, facilitating transfer of knowledge to other situations and prompting generalisation.
6. Expand ways of thinking in Mathematics i.e. by posing open-ended questions.
7. To develop children's ability to set goals in order to better their Mathematical Understanding.

Guidelines for Implementation:

1. Students will be provided with a differentiated program based upon meeting the expectations and standards of the AusVELS documentation
2. 6 hours per week will be set aside for the teaching of Mathematics at all year levels (F-6)
3. The Student Outcomes Leaders will be responsible for the oversight of:
 - the program guidelines and implementation,
 - Assessment and Reporting procedures.
 - Ensuring adequate Mathematical PD opportunities are provided.
4. Expected regular assessment pieces will be documented on the assessment schedule.
5. Progress of students will be recorded and monitored using SPA or the Early Years Interview
6. Mathematics will be linked to other areas of the curriculum
7. A differentiated Mathematics curriculum will be delivered to meet the needs of individual and 'like' cohorts of students.
8. A budget will be developed and co-ordinated to provide the resources required for the teaching of Mathematics.
9. The school will actively promote the positive involvement of parents in Mathematics, both at school and at home.
10. Where appropriate, Technology will be utilized as an instructional tool, a computation tool, a means of demonstrating the application of mathematics, as a way of sharing their learning, or a way of creating in relation to Mathematics.

Resources:

AusVELS

Maths aids such as MAB, counters, calculators, clocks, money and scales

Teacher resource and textbooks may be utilized at discretion of staff to support their teaching and provide opportunities for students to practise skills.

Early Years online Interview

Online DEECD Resources