



# MATHEMATICS

## POLICY

### **Rationale:**

- Mathematics pervades all aspects of our lives - as citizens, in our homes and in the workplace. It has applications in all human activities, crossing cultural and linguistic boundaries to provide a universal way of solving problems in such diverse areas as science and engineering, business and finance, technology, arts and crafts and many everyday activities. Competence in mathematics is integral to successful participation in modern society.

### **Aims:**

Through learning mathematics in school, students will: -

- demonstrate essential mathematical and numeracy skills necessary for successful employment and functioning in society
- solve practical problems with mathematics, especially industry and work-based problems
- develop specialist knowledge in maths that provides for further study in the discipline
- see mathematical connections and be able to apply mathematical concepts, skills and processes in posing and solving mathematical problems
- be confident in one's personal knowledge of mathematics, to feel able both to apply it, and to acquire new knowledge and skills when needed
- be empowered through knowledge of mathematics as a numerate citizen, able to apply this knowledge critically in societal and political contexts
- develop understanding of the role of mathematics in life, society and work; the role of maths in history; and maths as a discipline – its big ideas, history, aesthetics & philosophy.

### **Implementation:**

- The Mathematics domain is an essential component of the Discipline-based Learning strand of AusVELS.
- All students at our school will study a sequential Mathematics course based upon the learning foci contained within AusVELS.
- Student's individual abilities must be measured at the commencement of each unit of work, and learning opportunities must be provided that cater for the identified needs of each student.
- Student progress in all dimensions of Mathematics will be reported in half and end of year academic reports, as well as be reported in the school's annual report.
- Mathematics study for each student will be not less than 5 hours per week.
- Mathematical activities that reflect the topics being studied at school, and are appropriate to each child's ability, will form a regular component of each student's homework regime.
- A staff member will be allocated the responsibility for coordinating Mathematics across the school as well as implementing an Mathematics budget developed by staff and resourced by school council.

### **Evaluation:**

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

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

**August 2015**