

Tuggerah Public School



Mathematics Policy

Last amended: January 2019

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:

Mathematics aims to ensure that students: -

- are confident, creative users and communicators of mathematics, able to investigate, represent and interpret situations in their personal and work lives and as active citizens
- develop an increasingly sophisticated understanding of mathematical concepts and fluency with processes, and are able to pose and solve problems and reason in *Number and Algebra*, *Measurement and Geometry*, and *Statistics and Probability*
- recognise connections between the areas of mathematics and other disciplines and appreciate mathematics as an accessible and enjoyable discipline to study.

Implementation:

- Mathematics is an essential learning area of the Australian Curriculum.
- All Foundation to Year 6 students at our school will study a sequential Mathematics course based upon the content descriptions contained within the Australian and NSW Curriculum. All teachers are required to work with their respective professional learning teams and Stages to contribute to the development and implementation of a viable, guaranteed and sequential Mathematics course for all students and to implement student needs based lessons using agreed planning templates, assessment tools and lesson structures.
- The school will appoint a Mathematics committee and coordinator. This team will coordinate the development and implementation of Mathematics across our school.
- Student's individual abilities will be measured and reported against the expected Australian and NSW Curriculum achievement standards, particularly 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 Mathematics will be reported in half and end of year academic reports, as well as the school's School Plan and Annual Report.
- Intervention programs will be provided for all students at all year levels identified as 'at risk'. These programs will include TEN and Quicksmart.
- Mathematics study for each student will be **not less** than 5 hours per week, consisting of minimum 5 x 1 hour uninterrupted numeracy blocks time-tabled for each school day.
- Each day of Mathematics activities will see a focus on the quick recall of automated facts for the 4 basic operations.



- Mathematics 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.
- Budgets that provide for the needs of the Mathematics program will be developed by the School's Executive Team in consultation with the Mathematics Coordinator and all staff members.
- Mathematics will be taught in a Unitised approach.

Evaluation:

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

This policy was last updated in: January 2019.

