

# COATESVILLE PRIMARY SCHOOL

## Mathematics Policy

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**Authorised:** School Council 20 /10/09

### **1 Purpose**

The program aims to promote a positive attitude towards Mathematics and provide students with the opportunity to:

- 1.1 acquire mathematical skills and knowledge so they can deal confidently and competently with daily life;
- 1.2 interpret and communicate quantitative and logical ideas accurately;
- 1.3 recognise the fundamental importance of Mathematics to the functioning of society;
- 1.4 recognise that Mathematics provides a global language incorporating conventional mathematical notation that enables us to make sense of the world around us;
- 1.5 understand the dynamic role of Mathematics in social and technological change; and,
- 1.6 explore Mathematical concepts and construct own meaning in realistic and meaningful contexts.

### **2 Guidelines**

- 2.1 Coatesville Primary School will provide a sequential Mathematics program based upon the International Baccalaureate – Primary Years Program and the Victorian Essential Learning Standards.
- 2.2 The E5 Instructional Model will be used to guide the teaching of Mathematics in P - 6.
- 2.3 Weekly implementation will be drawn from the Coatesville Scope and Sequence, Yearly and Term Planners for P - 6.
- 2.4 The program will cater for individual needs taking into consideration differences in ability, prior experiences, interests, ethnicity and gender.

### **3 Implementation**

- 3.1 All teachers work with their grade team to develop and implement a Mathematics program for students that ensures the use of concrete materials before abstract concepts are introduced. Concrete materials will also be used to continually support the understanding of all abstract concepts.
- 3.2 Students' individual abilities will be assessed at regular intervals as per the Coatesville Assessment Schedule.
- 3.3 Student progress will be tracked through ongoing monitoring and assessment in accordance with the Coatesville Assessment Schedule and recorded in SMaRT.
- 3.4 Student progress will be reported in mid year and end of year academic reports and in the school's Annual Report. Students will reflect on their learning through their Portfolios and Student Led Conferences.
- 3.5 Using an inquiry approach, a variety of learning strategies, techniques and resources will be used to cater for the identified needs of each student.
- 3.6 Where appropriate Mathematics will be taught within the context of the Units of Inquiry.

- 3.7 Time allocation for Mathematics will be a minimum of 5 hours per week.
- 3.8 A budget that provides for the needs of the Mathematics program will be developed by staff and resourced by School Council.
- 3.9 A coordinator/s will be allocated the responsibility of overseeing the Coatesville Mathematics program, including budgets, resources, parent education and promoting Numeracy Week.

#### **4 Review:**

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