



**Sandringham East  
Primary School**

## **Science Policy**

### **Rationale**

Science education contributes to developing scientifically and technologically literate citizens who will be able to make informed decisions about their lifestyle, their environment and the kind of society in which they wish to live. They will be able to see the connections between science and people, note the relevance of science and technology to past achievements and current and future development and be aware of the impact of science and technology on society, the individual and the environment.

Science is also referred to as part of STEAM (**Science**, Technology, Engineering, Arts, Maths). STEAM is taught progressively and is integrated into the enquiry based programs as well as adhering to the Victorian Curriculum guidelines and more specifically, the Domains of Science and Maths.

### **Aims**

Through learning science students will:

- Acquire scientific skills and conceptual knowledge
- Acquire and use the skills of scientific investigation, reasoning and analysis to ask questions and seek solutions
- Develop scientific attributes such as flexibility, curiosity, critical reflection, respect for evidence and ethical considerations
- Recognise and understand the strengths and limitations of science
- Be able to interpret and communicate scientific ideas effectively
- Appreciate the dynamic role of science in social and technological change.
- Be given opportunities each term through a school wide approach referred to as a 'STEAM Challenge'. In addition, STEAM opportunities are catered for during F-2 Investigations and 3 – 6 ERPs (Educational Research Projects).

### **Implementation**

- Learning opportunities will be provided to cater for the individual needs of each student.
- The Science domain is an essential component of the Discipline-based Learning strand of the Victorian Curriculum - <http://victoriancurriculum.vcaa.vic.edu.au/>
- All students at our school will study a sequential Science course based upon the learning focus statements contained within the Victorian Curriculum.
- 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.

**Evaluation**

This policy will be reviewed as part of the school's three year review cycle unless an issue arises which requires review.

**This Policy was ratified by School Council – June 2019**