


St Therese's Primary School, Cranbourne	System Update: 19.09.2019	
Version 0.1	Date of Next Review: 19.09.2021	

# St Therese's Primary School

## Science Policy

### OVERVIEW

Science provides opportunities for students to develop an understanding of important science concepts and processes, the practices used to develop scientific knowledge, of science's contribution to our culture and society, and its applications in our lives. The curriculum supports students to develop the scientific knowledge, understandings and skills to make informed decisions about local, national and global issues.

STEM learning is becoming an important part of the learning landscape at St Therese's, integrating the skills from science, technology, engineering and mathematics, and applying them to problem-solving for real-world challenges.


### APPROACHES

Through learning scientific skills 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-working individually or within groups
- develop scientific attributes such as flexibility, curiosity, critical reflection, respect of evidence and ethical considerations
- recognise and understand the strengths and limitations of science, and that the breadth of scientific knowledge, is under the process of change
- be able to interpret and communicate scientific ideas effectively
- appreciate the dynamic role of science in social and technological change

### IMPLEMENTATION

- All students will study a science course based on the outcomes contained within the Victorian Curriculum and implemented through Inquiry-Based Learning provided by classroom teachers
- Two key ideas will be embedded into our science curriculum:
  - 'Science Understanding', which includes Science as a Human Endeavour, Biological Sciences, Physical Sciences, Chemical Sciences and Earth and Space Sciences, and
  - 'Science Inquiry Skills', including Questioning and Predicting, Planning and Conducting, Recording and Processing, Analyzing and Evaluating and Communicating.
- Science lessons will provide students with science understandings; an appreciation of science as human endeavour; and science inquiry skills
- Learning opportunities will be differentiated for the needs of each student as required
- Student's individual abilities will be monitored using a range of assessment strategies including moderation

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- A budget will provide for the needs of the science program and will be monitored and managed by the Learning and Teaching Leader in consultation with the principal
- Classroom teachers when teaching science, will ensure that classrooms and learning spaces will be safe areas for all students and staff

**The desired outcomes for students learning Science at St Therese's are to:**

- Possess a sense of awe and wonder about the world
- Engage with science as accessible and do-able
- Encounter science as a way of sparking deep philosophical and religious thinking about the world
- See science as one particular way of knowing about the world amid other world views
- Understand science as being value-laden
- Understand the nature of science and science concepts that are relevant and useful to their lives
- Use evidenced-based ways of working and thinking
- Understand the impact of science on society
- Have access to transformative learning experiences outside the classroom
- See the potential for science to contribute to the common good
- Accept a responsibility towards the natural environment and sustainability for the future of the planet Earth