

## Rationale

Science provides an empirical way of answering interesting and important questions about the biological, physical and technological world. Science is a dynamic, collaborative and creative human endeavour arising from our desire to make sense of our world through exploring the unknown, investigating universal mysteries, making predictions and solving problems.

## Purpose

- To ensure that students develop an interest in science as a means of expanding their curiosity and willingness to explore, ask questions about and speculate on the changing world in which they live.
- Develop an understanding of the nature of scientific inquiry and the ability to use a range of scientific inquiry methods, including questioning; planning and conducting experiments and investigations based on ethical principles; collecting and analysing data; evaluating results; drawing critical, evidence based conclusions.
- Gain a solid foundation of the knowledge of biological, chemical, physical, Earth and Space sciences.
- Understand the historical and cultural contributions to science as well as contemporary science issues.

## Guidelines

The Victorian Curriculum will be the basis of the Science Curriculum. This will be supported by the Primary Connections units of work at all levels. Students at every year level will:

- Be guided and encouraged to develop scientific knowledge and skills using the 5E model.
- Develop scientific skills such as prediction, investigation, reasoning and analysis to generate or refine knowledge, find solutions and ask questions using appropriate scientific language.
- Foster scientific attitudes such as flexibility, curiosity, respect for evidence and critical reflection.

## Implementation

The teaching of Science at Camberwell South is based on the principles that Science needs:

- Be taught through the 5E's model of engage, Explore, Explain, Elaborate and Evaluate.
- To be presented through a variety of classroom approaches and activities
- To allow for individual differences
- To present challenges in a supportive environment
- To provide purposeful context for real life learning
- To develop the use of appropriate scientific language
- To allow for reflection on the part of the learner

## Evaluation

- Use of Checklists, term planners, unit evaluation, portfolio tasks effectiveness of class programs.

## Review

A committee of staff will review the Science policy every three years. The review will ensure that the school's programs and procedures are adequately reflecting Statewide curriculum developments and the changing needs of the Camberwell South community.

Ratified By:	Date:	
Education Committee		
Staff		
School Council President	21/06/2017	Name: Pernille Cavanough Signature: 