

# Science Policy

Time: Equates to 1.5 hrs per week

Teaching model: Part of Inquiry

## Rationale:

Science provides an empirical way of answering interesting and important questions about the biological, physical and technological world. The knowledge it produces has proved to be a reliable basis for action in our personal, social and economic lives. 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. Science aims to understand a large number of observations in terms of a much smaller number of broad principles. Science knowledge is contestable and is revised, refined and extended as new evidence arises.

## Purpose:

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 and to participate, if they so wish, in science-related careers.

## Guidelines for Implementation:

1. The curriculum is based on AusVELS.
2. Curriculum is taught as an integrated unit or a stand alone unit, depending on the Science.
3. It will be taught as will be based on the Epsom Instructional Model.
4. Where appropriate major and minor excursions will be based around one of the units.
5. Where appropriate incursions / guest speakers will be utilized.
6. Students will be provided with a relevant sequential learning sequence.
7. The incorporation of New Pedagogies for Deeper Learning, will allow for deeper thinking.
8. Literacy and Numeracy will still be embedded into the curriculum and be a major focus.
9. Tasks completed will be assessed in relation to AusVELS.
10. A budget will be developed to provide the resources required for the teaching of Science.
11. The staff will actively promote the positive involvement of parents in Science.
12. Where appropriate, Technology will be utilized an instructional aid, a computation tool, a means of demonstrating the application of science, as a way of sharing their learning, or a way of creating in relation to Science.
13. There will be a mixture of both practical and theoretical components when teaching science.
14. Future careers in Science will be taught and explored.

## Resources:

AusVELS

Scientific equipment specific to the teaching of Science understandings.