



# SCIENCE

## 1.0 PURPOSE.

- 1.1 To develop and enhance students' knowledge and understanding of the physical, chemical and biological nature of our world.
- 1.2 To encourage an appreciation in students of the place and impact of science in their lives.
- 1.3 To develop a scientific approach to solving problems in a rational manner using facilitation and observation.
- 1.4 To encourage students to question, seek answers and make informed decisions about factors effecting their lives.
- 1.5 To foster and develop student curiosity and interest in science.
- 1.6 To encourage an appreciation of the science lab and a safe working environment.

## 2.0 GUIDELINES

- 2.1 The Science program should be inclusive and offer opportunities for all students to participate.
- 2.2 Science should build on students' interests (where possible), experiences and abilities.
- 2.3 A wide range of teaching and learning strategies should be used.
- 2.4 Practical work should be encouraged as a teaching strategy, to reinforce theory and to develop students' experimental skills.
- 2.5 Science should be integrated with other key learning areas where possible.
- 2.6 Science classes should be taught by appropriately qualified teachers.

## 3.0 IMPLEMENTATION.

- 3.1 The Science program for Years 7 – 10 will be developed in line with the Curriculum Standards Framework outcomes. Year 10 will have additional elective subjects to engage interest and prepare them for the VCE.
- 3.2 Students will be involved in a range of practical activities to develop their research and experimental skills. This will begin at Years 7 and 8 with the cognitive learning series of lessons called CASE.
- 3.3 The curriculum will fall in line with the Science in Schools (SIS) suggested strategies and approaches.
- 3.3 Safe work practices will be taught and reinforced.
- 3.4 Science programs will include computer and other technology developments, to enhance student learning and interest.
- 3.5 Student assessment will be based on a variety of assessment strategies, to cater for a range of student abilities and effective methods of student learning.
- 3.6 Year 7 – 10 Science will provide students with learning experiences and knowledge that will lead them to VCE studies such as Biology, Physics and Chemistry.
- 3.7 Preparation for Science classes and routine maintenance of equipment will be carried out by a laboratory assistant.

## 4.0 EVALUATION.

- 4.1 The Science program will undergo cyclic minor and major evaluation.
- 4.2 Both minor and major evaluation will follow the evaluation procedures outlined in the College Evaluation Policy.

