RECOMMENDED REQUIREMENTS FOR SUCCESS:
Students wishing to undertake Science in Practice should have successfully achieved a C in Year 10 Science and be achieving at least a C in English. Access to a computer as well as an internet connection, at home is highly recommended.

AIMS
iPods, the internet, television, cars, medical advances, electricity … without science, none of these would have been possible. For life in the 21st century, science is vital. Science provides convenience, increases living standards, enhances health and wellbeing and helps us understand the world - essential in today’s global society. Science in Practice integrates the disciplines of science in new and exciting ways. Over the course of your study, students will cover five focus areas:
1. Structure and properties of matter
2. Living systems
3. Earth and space
4. Energy
5. Information and communication.

Within these focus areas, students will study topics such as various forms of technology; genetics and infectious diseases; natural disasters; contributions of famous scientists including Einstein, Darwin and Newton; climate change and global warming; space; alternative energies; and biodiversity. Using processes based on real scientific inquiry, students will ask questions, devise practical methods of gathering scientific data, evaluate issues and assess the impacts of science, today and in the future.

COURSE OUTLINE
• A brave new world
• Weapons through the ages
• Water for Life
• Colonising Other Worlds
• What’s Your Poison
• Energy for Life
• Biomechanics, six million dollar man
• Crime Squad

ASSESSMENT
A wide variety of assessment methods gives everyone scope to succeed. These may include:
• supervised tests, including multiple-choice, short and extended response questions, and responses to stimulus
• extended practical investigations, involving gathering and analysis of data obtained through controlled experiments or field observations
• extended research tasks, involving gathering and analysis of secondary research data
• collection of work, involving a collection of short, related research activities.

FUTURE PATHWAYS
Science in Practice is not just for students intending to pursue a career in science. Even if students choose a different profession, analytical and creative thinking skills, application of scientific processes and techniques, and communication and information literacy that students will develop will help in their chosen career.

COST:
The costs associated with this course are included in the Student Resource Scheme.

ADDITIONAL:
• Scientific Journals for research and investigations.
• Possible excursions – approximate cost is $50.