

Attention Yr10 Students Re: Science Subject Selection



“KEEP YOUR OPTIONS OPEN”

Question - Do you definitely know, at this point in time of your life, what it is, that you are going to be doing when you finish Year 12? If **yes**, that is great!

If the answer is **no**, maybe or not sure; then by choosing to study a “Science” subject in your HSC, you are enabling yourself the opportunity to pursue a career in a scientific field as well as in a non-scientific field.

HSC guidelines:

- **Science is not mandatory in Years 11 and 12.**
- **You are allowed to take a maximum of up to 6 Units (3 subjects) of Science in Yr11 (7 Units in Yr12)**

Why study Science? —The important thing to note when studying Science in your HSC, is not so much to obtain new facts, but to discover new ways of thinking about them.

Fact - Studying a Science subject in your HSC could increase your chances of making you more employable.

How? - by providing you with the skills that employers are looking for, such as: analytical skills, problem solving skills, numeracy skills, communication skills, team-working skills etc. Studying a Science subject in your HSC will also keep your career options open. By undertaking a plan of study that includes a Science subject in your HSC, it will widen the range of university courses/ careers that you can select from. Most Science based University courses recommend that you study at least two units of Science in your HSC.

Which Science to Choose?

Investigating Science – Investigating Science deals with all branches of Science. It will suit students who have a general interest in Science. It involves a lot of time spent on doing Scientific Investigations – very similar to the SRP – Student Research Projects that you did in Year 8 and in Yr10. It is beneficial for students who wish to continue with any tertiary courses where there is an assumed knowledge of 2 units of Science e.g. nursing and primary school teaching. **Recommendation: Grade C (60%+) in Year 10 Science and a good level of English.**

Biology - Biology is the study of living things. It is beneficial for students who wish to continue with further studies at University in disciplines such as Science, Medicine, Pathology, Radiology, Biomedical Science, Environmental Studies, Physiotherapy, Nursing and Teaching. **Recommendation: Grade C (60%+) in Year 10 Science and a very good level of English.**

Chemistry - Chemistry is the study of the composition and properties of matter. It is beneficial for students who wish to continue with further studies at University in disciplines such as Medicine, Pharmacology, Chemical Engineering, Radiology, Biomedical Science Environmental Studies, Physiotherapy, Science, Nursing and Teaching. **Recommendation: Grade B (70%+) in Year 10 Science and a very good level of English and Mathematics.**

Earth & Environmental Science - Earth and Environmental Science is the study of the Earth's processes and future. It is beneficial for students who wish to continue with further studies at University in disciplines such as Environmental Science, and enter the fields of Mining, Geological, Geophysical and Horticultural industries. **Recommendation: Grade C (60%+) in Year 10 Science and a very good level of English.**

Physics - Physics is the study of the nature and properties of matter and energy. It is beneficial for students who wish to continue with further studies at University in disciplines such as Medicine, Engineering, Radiology, Computing, Science and Teaching. **Recommendation: Grade B (70%+) in Year 10 Science and a very good level of English and Mathematics.**