VCE Biology

The life science of Biology looks at the forms and functions of living things (organisms); how they relate to each other and to their environment. Studies in Biology have resulted in a modern, more complex understanding of the process of life.

Unit 1 & 2	Unit 3 & 4
 In Unit 1 & 2 you will: Explore cell structure and lifecycle of cells Understand how plant and animal systems function and maintain a stable internal environment Undertake a student designed practical investigation Explore genetic inheritance of traits Investigate reproductive processes for survival Study adaptations of organisms within ecosystems Investigate ethical issues relating to genetics 	 In Unit 3 & 4 you will: Explore the structure of nucleic acids and proteins and the processes of producing proteins within the cell Understand DNA manipulation techniques and applications, considering the ethical implications Learn about biochemical processes of photosynthesis and cellular respiration Investigate organism responses to pathogens via different levels of immunity Explore how species are related and patterns of evolution Undertake a student designed practical investigation
Types of assessment	Class Activities
 Tests and examinations Data analysis A report of a practical activity Case study analysis Analysis of bioethical issues Research report 	 Experiments Problem Solving Data Analysis Scientific Poster Modelling Quizzes

Careers that may link to this subject area

Biochemist Dentist Doctor Ecologist
Geneticist Immunologist Nurse Osteopath
Paramedic Park Ranger Pharmacist Physiotherapist
Science Teacher Scientist Speech Pathologist

