



Biology

The Senior Biology program offered at Northpine Christian College provides varied opportunities for all students to develop a deeper understanding and aesthetic appreciation of the living world. This subject will also provide a foundation for students to critically consider contemporary biological issues and to make informed decisions about these issues in their everyday lives.

Curriculum Overview

Northpine Christian College understands the importance of providing opportunities for students to develop a practical and insightful approach to Biology. The Science Departments aim, is to cultivate students who have critical thinking skills to evaluate and make evidence-based decisions about current scientific issues. The subject will also provide a foundation in biology knowledge, understanding and skills for those students who wish to pursue tertiary study.

Our College is committed to providing every student with appropriate and diverse learning experiences that address the following dimensions of the Biology course -

* Knowledge and Understanding * Investigating Biology * Evaluating Biological Issues

Course focus

The Senior Biology course enables students to engage in creative thinking and situations to apply their knowledge in practical situations. The course aims to provide students opportunities to gain insight into the scientific manner of investigating problems pertaining to the living world. Students will develop an understanding of the processes of science, and how that leads to the discovery of new knowledge. They will develop a deeper understanding and aesthetic appreciation of the living world.

The Senior Biology Course offered at Northpine Christian College is a 2 year course that concludes at the end of Year 12.

Year 11

Unit 1: Cells and multicellular organisms

- Topic 1: Cells as the basis of life
- Topic 2: Multicellular organisms

Unit 2: Maintaining the internal environment

- Topic 1: Homeostasis
- Topic 2: Infectious diseases

Year 12

Unit 3: Biodiversity and the interconnections of life

- Topic 1: Describing biodiversity
- Topic 2: Ecosystem dynamics

Unit 4: Heredity and continuity of life

- Topic 1: DNA, genes and the continuity of life
- Topic 2: Continuity of life on Earth



Career Opportunities

Biology is useful for students that want to enter the fields of medicine, veterinary science, food and marine sciences, agriculture, biotechnology, environmental rehabilitation, biosecurity, quarantine, conservation and eco-tourism.

Enquiries

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