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# SUBJECT: **BIOLOGICAL SCIENCE**

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**STATUS:** Authority Subject

**CODE:** BIO

**COST:** TBA

**COURSE OVERVIEW:**

Biological Science is the study of the natural systems of the living world. Biologists study the many different kinds of plants and animals and their interactions with their environment. They also study the internal working of animals and plants. Biological Science provides students with an understanding of the ways scientists approach the problems of the living world, and the processes of science which lead to the discovery of new knowledge.

The general objectives are to develop:

1. An Understanding of Biology
2. Investigation in Biology
3. Evaluation of Biological Issues

**COURSE STRUCTURE**

- The Australian environment
- Characteristics and requirements of living things
- Diversity of life
- Features of animals
- Ecosystems and environmental studies
- Effects of humans on the environment
- Physiology of animals and humans
- Cells, their structure
- Plant structure and function
- Physiology of plants
- Reproductive processes in plants and animals
- Heredity and genetics
- Evolution and natural selection
- Science and society

**ASSESSMENT TECHNIQUES:**

1. Extended Experimental Investigations
2. Written Tasks
3. Extended Response Tasks
4. Field Studies

**SPECIAL REQUIREMENTS:**

Scientific Calculator essential

This course includes a mandatory field studies unit. The cost of the camp for this field study unit and associated excursions will need to be met by the students.

