KINGSCLIFF HIGH SCHOOL
Subject Selection Information

KINGSCLIFF HIGH SCHOOL

ACHIEVEMENT THROUGH ENDEAVOUR

Faculty: Science

Subject: Biology

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Classification of the Course:

Board Developed Course

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Nature of the Course

The Biology 11–12 Syllabus provides students with the opportunity to analyse, study and enjoy an understanding of the biological world around us. Students build on their learning from the Science 7–10 Syllabus (2023) as they investigate phenomena, make predictions and solve problems related to health, sustainability and biotechnology. Students generate and analyse data and evaluate results to make ethical, evidence-based decisions as informed, reflective and scientifically literate citizens.

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Nature of the Course

Through the study of Biology 11–12, students:

- develop knowledge and understanding of the complex interactions between living things and how human actions can affect the environment
- apply their knowledge of biology to investigate phenomena, make predictions, address real-world problems and explore the impact of science on society
- explore how Aboriginal and Torres Strait Islander Peoples' ways of Knowing, Being and Doing enhance and provide social and Cultural context to the study of biology
- develop critical thinking, ethical decision-making and problem-solving skills.

Nature of the Course

Year 11 Course

The Year 11 Biology course comprises a study of 3 focus areas, including 10 hours of depth studies and one fieldwork exercise. Working scientifically outcomes and content are integrated.

The three focus areas are:

- Cells as the Basis of Life
- Cells to Systems
- Evolution and Ecosystems

Nature of the Course

Year 12 Course

The Year 12 Biology course comprises a study of 4 focus areas, including 10 hours of depth studies. Working scientifically outcomes and content are integrated.

The four focus areas are:

- Heredity
- Genetic Change
- Biodiversity
- Biotechnology

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HSC Exam: Yes

Length of Exam: 3 hours

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Internal Assessment Structure

The Year 11 Biology assessment program is:

- Working Scientifically (practical) task
- Depth Study
- Yearly Examination

The Year 12 Biology assessment program is :

- Working Scientifically (practical) task
- Depth Study
- Half-Yearly Examination
- Yearly Examination

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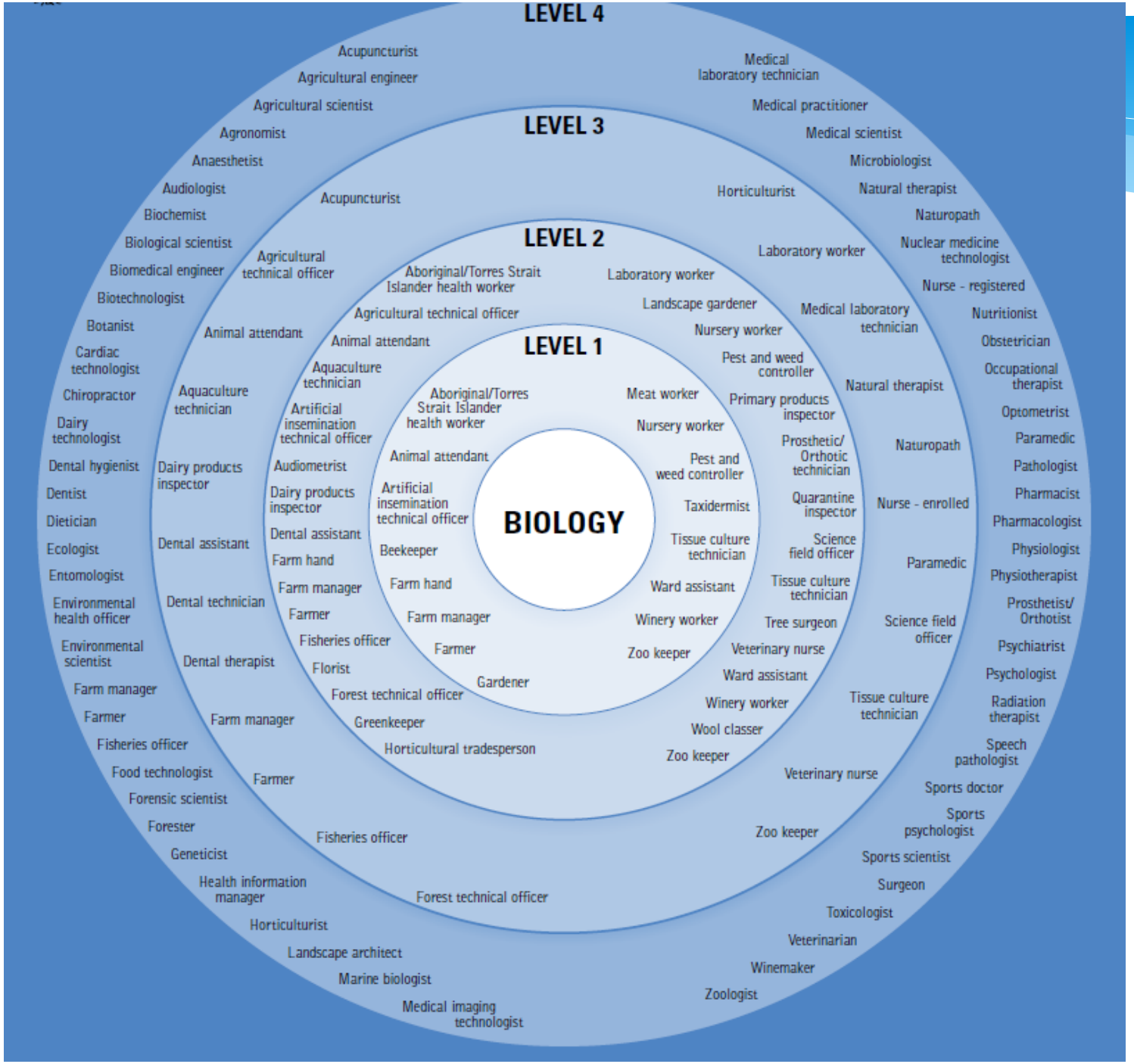
Skills Required for this subject and/or any Prerequisites:

- Students are to have achieved a sound knowledge and understanding of scientific content gained in K-10 science. A general capability in the working scientifically skills is also preferred.
- Students should have an interest in the sciences, especially with biological systems, processes and principles.
- A general understanding of scientific literacy will also assist students in the course.



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Career Opportunities

If you would like to know more

If you would like to know more about Stage 6 Biology:

- Talk to your Science teacher or Mrs O'Keeffe, Head Teacher Science