OVERVIEW OF THE COURSE

Biology 3 is a rigorous subject that requires the following skills:

- A high level of literacy and science from high school (A standard)
- Enthusiasm and a willingness to • participate



By the end of the course you will:

- Be able to plan activities and monitor and evaluate your own progress
- Have practical skills and be able to ٠ work safely and methodically in both the laboratory and in the field
- Conduct valid scientific experiments and be able to analyse these and draw conclusions
- Have good research skills •
- Communicate, predict and understand biological information
- Make connections about the impact biology has on society

BIOLOGY 3

- Allows you to better understand and be able to make informed decisions about biological issues in society and your local community
- Is a prerequisite for many university courses in health and science, which may include medicine, biotechnology, biochemistry, medical research, pharmacy and agricultural sciences
- Provides a pathway to further study or careers in medicine, health sciences, agriculture, pharmacy, environmental science, engineering, health and medical sciences
- Contributes 15 credit points and meets the standard for everyday adult mathematical skills for your Tasmanian Certificate of Education.





DEPARTMENT OF EDUCATION **Hellyer College**



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BIOLOGY 3







AREYOU:

Curious about living things?

- Interested in animals, plants or microorganisms?
- Passionate about the world we live in and understanding it?
- Interested in how organisms pass on characteristics from one generation to the next?
- Interested in understanding disease and survival mechanisms?

THEN BIOLOGY IS FOR YOU!





THINGS YOU WOULD STUDY

Chemical Basis of Life

- Biological molecules the role of carbohydrates, fats, protein, DNA and other molecules in living things
- How living things produce and use energy
- Enzymes
- DNA



Cells

- Structure and function of cells
- Plant and animal cells
- Movement of substances in and out of cells
- How cells produce new cells



Organisms

- The digestive, respiratory, circulatory and excretory systems in animals
- How plants transport food and water
- The adaptations that organisms have that helps them to survive



Continuity or organisms and survival of changes

- Genetics
- Natural selection
- Organisms that cause disease
- Disease and the immune system

