

SCIENCE

Biology & Environmental Science

10BEN

SUBJECT DESCRIPTION:

In this subject, students will investigate the implications of Earth's changing climate, including how life will be affected. Students will investigate how our planet will change over the coming decades, how climate change might be minimized, and how evolution allows species to survive changes to the environment. Students will also study the structure and function of DNA and how characteristics can be inherited.

After completion of this course, students will be able to:

- assess climate change data
- describe changes to Earth due to climate change, such as rising sea levels
- Describe the structure and function of DNA
- Explain how characteristics can be inherited.
- outline the process of evolution and explain how it has led to Earth's biodiversity.

VCE SUBJECT LINKS

Biology

Environmental Science

THIS SUBJECT ENHANCES LEARNING IN:

Scientific investigation skills, creative and design thinking, chemical reactions and equations and understanding inheritance.

ASSESSMENT:

- Examination
- Tests
- Practical work
- Assignments

Physics & Chemistry

10PHC

SUBJECT DESCRIPTION:

In this subject, students will investigate the motion of physical objects, as well as the placement of elements within the periodic table and the ways in which they react with each other. Students investigate the atomic structure and properties of the elements within the periodic table. They will also be able to describe how chemical reactions can result in a range of useful substances.

After completion of this course, students will be able to:

- measure distance, time, velocity, mass acceleration and force
- outline the structure and purpose of the periodic table
- describe the factors that influence the rates of chemical reactions.

VCE SUBJECT LINKS

Physics

Chemistry

THIS SUBJECT ENHANCES LEARNING IN:

Scientific investigation skills, creative and design thinking, how to describe and measure motion and chemical reactions.

ASSESSMENT:

- Examination
- Tests
- Practical work
- Assignments