

Semester 1 Overview 2022

11 Biology

Term	Topic	Assessment
1	<p>Unit 1 - Cells Students will:</p> <p>Explore the ways biology is used to describe and explain how the structure and function of cells and their components are related to the need to exchange matter and energy with their immediate environment. An understanding of the structure and function of cells is essential to appreciate the processes vital for survival. Students investigate the structure and function of cells and multicellular organisms. They examine the structure and function of plant and animal systems at cell and tissue levels in order to analyse how they facilitate the efficient provision or removal of materials</p>	<p>FA1 (Unit 1 Test)</p> <p>1 x 60 minutes</p> <p>(Week 9)</p>
2	<p>Unit 2 – Maintaining the internal environment Students will:</p> <p>Explore the ways biology is used to describe and explain the responses of homeostatic mechanisms to stimuli and the human immune system. An understanding of personal and communal responses is essential to appreciate personal lifestyle choices and community health. Students develop scientific skills and conceptual understanding in homeostasis, the immune system and the relationships between global, community and individual immunity. They examine geographical and population data to analyse strategies that may have personal and communal consequences.</p>	<p>IA2 (Student experiment)</p> <p>Due - Week 15 (term 2 week 5)</p>