

SCOPE AND SEQUENCE STATEMENT: YEAR 8 SCIENCE 2025 PLATO

<u>TERM 1</u>	1	2	3	4	5	6	7	8	9	10	11		
OVERALL TOPIC	Ecology						Working Scientifically						
OVERVIEW	This unit familiarises students with the interactions that occur among organisms and their environment. <i>(Research the contributions of Australian scientists to the study of human impact on environments and to local environmental management projects)</i>						This unit familiarises students with the conventions followed by scientists conducting research in a laboratory. <i>(Evaluating the appropriateness of different strategies for solving an identified problem)</i>						
OUTCOMES	SC4-1VA, SC4-2VA, SC4-3VA, SC4-4WS, SC4-5WS, SC4-6WS, SC4-7WS, SC4-8WS, SC4-9WS						SC4-1VA, SC4-2VA, SC4-3VA, SC4-4WS, SC4-5WS, SC4-8WS, SC4-9WS, SC4-13ES						
ASSESSMENT	AT1 Research- 20% (Week 5)					AT2 Guided Student Investigation - 25% (Week 9)							
11 WEEKS 33 HOURS													
<u>TERM 2</u>	1	2	3	4	5	6	7	8	9				
OVERALL TOPIC			Structure and Properties of Matter and Chemical Changes										
OVERVIEW			This unit introduces students to our understandings of the chemical nature of substances and how they interact. Students further explore the nature of chemical substances and the ways by which they can change. <i>(Investigate how the chemical properties of a substance will affect its use)</i>										
OUTCOMES			SC4-14LW, SC4-15LW, SC4-8WS, SC4-9WS, SC4-3VA										
ASSESSMENT			AT3 – Information Processing Task – 25% (Week 8)										
9 WEEKS 27 HOURS													
<u>TERM 3</u>	1	2	3	4	5	6	7	8	9	10			
OVERALL TOPIC	Growing and Multiplying and Body Systems												
OVERVIEW	This unit explores the mechanisms by which all living things – plants and animals – grow and reproduce and the structure and function of major systems within the human body and how they contribute to survival. <i>(Debate why society should support biological research)</i>												
OUTCOMES	SC4-16CW, SC4-17CW, SC4-4WS, SC4-7WS, SC4-1VA												
ASSESSMENT													
10 WEEKS 30 HOURS													
<u>TERM 4</u>	1	2	3	4	5	6	7	8					
OVERALL TOPIC	Solar Systems												
OVERVIEW	This unit explores the structure of the Earth and how it changes. The position of the Sun, Earth and our Moon with respect to each other, relate to why day and night, seasons and eclipses occur. New technology leads to continued discovery. <i>(Investigate examples of how scientific knowledge has developed through collaboration of experts from across the disciplines of Science, eg space exploration)</i>												
OUTCOMES	SC4-4WS, SC4-7WS, SC4-8WS, SC4-12ES, SC4 -13ES												
ASSESSMENT	AT4 Yearly Examination - 30% (Week 3)												
8 WEEKS 24 HOURS													

TOTAL COURSE HOURS: 114 hours