

## SCOPE AND SEQUENCE STATEMENT: YEAR 8 SCIENCE SOCRATES 2023

TERM 1	1	2	3	4	5	6	7	8	9	10
OVERALL TOPIC	Working Scientifically							Ecology		
OVERVIEW	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> )				CAMP WEEK			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> )		
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 Guided Student Research Task - 25% (week 7)									
10 WEEKS 35 HOURS										
TERM 2	1	2	3	4	5	6	7	8	9	
OVERALL TOPIC	Ecology (Cont)		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			SC4-16CW, SC4-17CW, SC4-4WS, SC4-7WS, SC4-1VA							
ASSESSMENT	AT2 Fieldwork & Stimulus Task 20% (week 2)									
9 WEEKS 31 HOURS										
TERM 3	1	2	3	4	5	6	7	8	9	10
OVERALL TOPIC	Structure & Prop (Cont)		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			SC4-14LW, SC4-15LW, SC4-8WS, SC4-9WS, SC4-3VA							
ASSESSMENT	AT3 Information Processing Task – 25% (week 3)									
10 WEEKS 35 HOURS										
TERM 4	1	2	3	4	5	6	7	8	9	
OVERALL TOPIC	Growing and Multiplying & Body (Cont)				Solar Systems					
OVERVIEW				EXAM WEEK	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 4)									
9 WEEKS 31 HOURS										

**TOTAL COURSE HOURS: 132 hours**