

SCOPE AND SEQUENCE STATEMENT: YEAR 12 Science Extension 2025

TERM 4 - 2024	1	2	3	4	5	6	7	8			
OVERALL TOPIC	YR 11 COURSE		Module 1: The Foundations of Scientific Thinking			Module 2: The Scientific Research Proposal					
OVERVIEW			Students establish an area for scientific research.			Students formulate the hypothesis for research.					
OUTCOMES			SE-1, SE-2, SE-5			SE-1, SE-3, SE-4, SE-5, SE-6, SE-7					
ASSESSMENT											
	6 WEEKS 24 HOURS										
TERM 1 - 2025	1	2	3	4	5	6	7	8	9	10	11
OVERALL TOPIC	Module 4: The Scientific Research Report			Module 2: The Scientific Research Proposal (Cont.)				Module 4: The Scientific Research Report (Cont.)			
OVERVIEW	Scientific communication			Students formulate the hypothesis for research.				Students are introduced to the process in the development of the Scientific Research report			
OUTCOMES	SE-1, SE-6, SE 7			SE-1, SE-3, SE-4, SE-5, SE-6, SE-7				SE-1, SE-6, SE 7			
ASSESSMENT				AT1: Poster and Presentation: Research Proposal – 30% (Week 4)							
	11 WEEKS 44 HOURS										
TERM 2 - 2025	1	2	3	4	5	6	7	8	9		
OVERALL TOPIC	Module 3: Data Evidence and Decisions and Module 4: The Scientific Research Report (Cont.)										
OVERVIEW	Students find or generate the data and apply methodologies to analyse the data. Students develop the Scientific research report and respond to the hypothesis. Students apply learning and skills to their Scientific research report.										
OUTCOMES											
ASSESSMENT	AT2: Data Analysis and Information Processing Task – 30% (Week 6)										
	9 WEEKS 36 HOURS										
TERM 3 - 2025	1	2	3	4	5	6	7	8	9	10	
OVERALL TOPIC	Module 1: The Foundations of Scientific Thinking (Cont.)				Revision						
OVERVIEW	Students establish an area for scientific research.		TRIAL HSC EXAMS								
OUTCOMES	SE-1, SE-2, SE-5										
ASSESSMENT	AT3: Scientific Research Report – 30% (Week 1)										
	10 WEEKS 40 HOURS										

TOTAL COURSE HOURS: **144 hours**