

## SCOPE AND SEQUENCE STATEMENT: YEAR 12 BIOLOGY 2024 / 2025

TERM 4 - 2024	1	2	3	4	5	6	7	8			
OVERALL TOPIC	YR 11 COURSE		Module 5: Heredity								
OVERVIEW			Students investigate reproduction and inheritance patterns in plants and animals. They investigate the role of DNA in polypeptide synthesis and the uses of technologies in the study of inheritance patterns.								
OUTCOMES			BIO11/12-6, BIO11/12-7, B BIO12-12								
ASSESSMENT			AT1 – Model and Presentation-25% (Week 6)								
	6 WEEKS 24 HOURS										
TERM 1 - 2025	1	2	3	4	5	6	7	8	9	10	11
OVERALL TOPIC	Module 5: Heredity		Module 6: Genetic Change								
OVERVIEW	(Cont.)		Students investigate genetic change, including mutations, environmental pressure, and uses of biotechnology. They also investigate how the processes of inheritance and evolution are applied.								
OUTCOMES	(Cont.)		BIO11/12-1, BIO11/12-2, BIO11/12-7, BIO12-13, BIO12-15								
ASSESSMENT	(Cont.)		AT2 – Depth Study- 25% (Week 10)								
	11 WEEKS 44 HOURS										
TERM 2 - 2025	1	2	3	4	5	6	7	8	9		
OVERALL TOPIC	Module 7: Infectious Diseases							Module 8: Non-Infectious Disease and Disorders			
OVERVIEW	Students examine the treatment, prevention, and control of infectious diseases. They investigate the role of the human immune system and its response to infection.										
OUTCOMES	BIO11/12-4, BIO11/12-5, BIO11/12-6, BIO12-14, BIO 12-15										
ASSESSMENT	AT3 Information and Data Processing-20% (Week 8)										
	9 WEEKS 36 HOURS										
TERM 3 - 2025	1	2	3	4	5	6	7	8	9	10	
OVERALL TOPIC	Module 8: Non-Infectious Disease and Disorders				Module 8: Non-Infectious Disease and Disorders			Course Revision			
OVERVIEW	(Cont.)		TRIAL HSC EXAMS 30%			Students investigate non-infectious diseases and disorders, including their causes and effects on human health. They examine technologies and their uses in treating diseases and disorders, as well as the epidemiology of non-infectious diseases.					
OUTCOMES	(Cont.)										
ASSESSMENT											
	10 WEEKS 40 HOURS										

**TOTAL COURSE HOURS: 144 hours**