

## ASSESSMENT GRID: YEAR 12 BIOLOGY 2025

Assessment Task	AT 1	AT 2	AT 3	AT 4	
	<b>Term 4 Week 6B Monday, 18 November 2024</b>  <b>In Class</b>	<b>Term 1 Week 10B Wednesday, 2 April 2025</b> <b>12BIO1 – Period 2</b> <b>12BIO2 – Period 1</b>  <b>In Class / Hand In</b>	<b>Term 2 Week 8B Monday, 16 June 2025</b> <b>12BIO1 – Period 4</b> <b>12BIO2 – Period 4</b>  <b>In Class</b>	<b>Term 3 Year 12 Examination - Week 3/4</b> <b>As per examination timetable</b>  <b>Examination</b>	
<b>Outline / Description</b>	<b>Model and Presentation</b> Students will design and construct a 3D model related to heredity. They will also present their model, discuss the biological principles, and evaluate it. Students will participate in a question-and-answer session related to their model during the presentation.	<b>Depth Study</b> Students complete a detailed study related to genetic technologies and their applications. They will present their findings in a report and complete an in-class test to consolidate the information researched.	<b>Information and Data Processing</b> Students will complete an in-class task to answer Infectious and Non-Infectious Diseases questions.	<b>Trial HSC Examination</b> The trial HSC Examination will be on Modules 5 - 8	
<b>Outcomes</b>	BIO11/12-6, BIO11/12-7, BIO12-12	BIO11/12-1, BIO11/12-2, BIO11/12-7, BIO12-13	BIO11/12-4, BIO11/12-5, BIO11/12-6, BIO12-14, BIO 12-15	BIO11/12-2, BIO11/12-4, BIO11/12-5, BIO11/12-6, BIO11/12-7, BIO12-12, BIO12-13, BIO12-14, BIO12-15	
<b>Component</b>					<b>Weightings</b>
Skills Working Scientifically	15%	15%	5%	10%	45
Knowledge & Understanding	5%	15%	15%	20%	55
<b>Marks</b>	<b>20%</b>	<b>30%</b>	<b>20%</b>	<b>30%</b>	<b>100%</b>

## ASSESSMENT GRID: YEAR 12 BIOLOGY 2025 | OUTCOME STATEMENTS

Course Outcomes	
<b>Working Scientifically Skills</b>	
<b>Questioning and predicting BIO11/12-1</b>	Develops and evaluates questions and hypotheses for scientific investigation
<b>Planning investigations BIO11/12-2</b>	Designs and evaluates investigations in order to obtain primary and secondary data and information
<b>Conducting investigations BIO11/12-3</b>	Conducts investigations to collect valid and reliable primary and secondary data and information
<b>Processing data and information BIO11/12-4</b>	Selects and processes appropriate qualitative and quantitative data and information using a range of appropriate media
<b>Analysing data and information BIO12-5</b>	Analyses and evaluates primary and secondary data and information
<b>Problem solving BIO12-6</b>	Solves scientific problems using primary and secondary data, critical thinking skills and scientific processes
<b>Communicating BIO12-7</b>	Communicates scientific understanding using suitable language and terminology for a specific audience or purpose
<b>Knowledge &amp; Understanding</b>	
<b>BIO12-12</b>	Explains the structures of DNA and analyses the mechanisms of inheritance and how processes of reproduction ensure continuity of species
<b>BIO12-13</b>	Explains natural genetic change and the use of genetic technologies to induce genetic change
<b>BIO12-14</b>	Analyses infectious disease in terms of cause, transmission, management and the organism's response, including the human immune system
<b>BIO12-15</b>	Explains non-infectious disease and disorders and a range of technologies and methods used to assist, control, prevent and treat non-infectious disease