

ASSESSMENT GRID: YEAR 10 SCIENCE PLATO 2025

Assessment Task	AT 1	AT 2	AT 3	AT 4	
	Term 1 Week 10B Set Date Friday, 4 April 2025 Hand In	Term 2 Week 9A Set Date Friday, 27 June 2025 10SCI.PL1 Tuesday 25 March 10SCI.PL2 Tuesday 27 June In Class	Term 1 Week 9A Set Date Tuesday, 25 March 2025 10SCI.PL1 Tuesday 27 June 10SCI.PL2 Tuesday 25 March In Class	Term 4 Week 2B As per examination timetable Select Date (exclude if exam) Examination	
Outline / Description	Student Research Project A first-hand investigation carried out individually at home and students.	Chemical Reactions Information and data analysis and problem-solving	On the Move In-class practical, collecting and analysing data.	Yearly Examination	
Outcomes	SC5-1VA, SC5-4WS, SC5-5WS, SC5-6WS, SC5-7WS, SC5-8WS, SC5-9WS	SC5-1VA, SC5-2VA, SC5-3VA, SC5-6WS, SC5-7WS, SC5-16CW, SC5-17CW		SC5-7WS, SC5-8WS, 14LW, SC5-15LW	
Component					Weightings
Student Research Project	✓				
Chemical Reactions		✓			
On the Move			✓		
Genetics				✓	
Origin of the Universe and Life Goes on				✓	
Waves and Technology				✓	
Marks	25%	25%	20%	30%	100%

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Course Outcomes	
SC5-1VA	Appreciates the importance of science in their lives and the role of scientific inquiry in increasing understanding of the world around them
SC5-2VA	Shows a willingness to engage in finding solutions to science-related personal, social and global issues, including shaping sustainable futures
SC5-3VA	Demonstrates confidence in making reasoned, evidence-based decisions about the current and future use and influence of science and technology, including ethical considerations.
SC5-4WS	Develops questions or hypotheses to be investigated scientifically.
SC5-5WS	Produces a plan to investigate identified questions, hypotheses or problems, individually and collaboratively.
SC5-6WS	Undertakes first-hand investigations to collect valid and reliable data and information, individually and collaboratively.
SC5-7WS	Processes, analyses and evaluates data from first-hand investigations and secondary sources to develop evidence-based arguments and conclusions.
SC5-8WS	Applies scientific understanding and critical thinking skills to suggest possible solutions to identified problems.
SC5-9WS	Presents science ideas and evidence for a particular purpose and to a specific audience, using appropriate scientific language, conventions and representations.
SC5-10PW	Applies models, theories and laws to explain situations involving energy, force and motion.
SC5-11PW	Explains how scientific understanding about energy conservation, transfers and transformations is applied in systems.
SC5-12ES	Describes changing ideas about the structure of the Earth and the universe to illustrate how models, theories and laws are refined over time by the scientific community.
SC5-13ES	Explains how scientific knowledge about global patterns of geological activity and interactions involving global systems can be used to inform decisions related to contemporary issues.
SC5-14LW	Analyses interactions between components and processes within biological systems
SC5-15LW	Explains how biological understanding has advanced through scientific discoveries, technological developments and the needs of society.
SC5-16CW	Explains how models, theories and laws about matter have been refined as new scientific evidence becomes available.
SC5-17CW	Discusses the importance of chemical reactions in the production of a range of substances, and the influence of society on the development of new materials.