



SAMPLE ASSESSMENT OUTLINE

BIOLOGY
ATAR YEAR 11

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Sample assessment outline

Biology – ATAR Year 11

Unit 1 and Unit 2

Assessment type	Assessment type weighting	Assessment task weighting	Due date	Assessment task
Science inquiry	30%	10%	Semester 1 Week 14	Task 1: Environmental investigation – The effect of fire on ecosystems. Research and plan an investigation; collect data using biological field techniques; collate the data, analyse the results and write a scientific report in class under supervision. Start task in Weeks 2–3.
		5%	Semester 2 Week 3	Task 6: Practical – Microscopy techniques. Prepare slides, set up and focus a microscope, state magnification, measure and calculate cell size, interpret images and draw diagrams.
		5%	Semester 2 Week 4	Task 7: Practical – The cell membrane. Infer the structure of the cell membrane from observations of beetroot in different solutions.
		10%	Semester 2 Week 6	Task 8: Investigation – Enzyme action. Plan and conduct an investigation to investigate factors affecting catalase enzyme activity.
Extended response	10%	5%	Semester 1 Week 13	Task 3: Population dynamics. Interpret a scientific text and respond to questions in class under supervised conditions.
		5%	Semester 2 Week 9	Task 10: Current research involving the control of cellular respiration and photosynthesis. Research topics related to the control of photosynthesis or respiration and respond to questions in an in-class assessment.
Test	20%	5%	Semester 1 Week 8	Task 2: Describing biodiversity test. Complete a 40-minute test, consisting of multiple-choice questions, short-answer questions and an extended-answer question, testing Science Inquiry Skills, Science as a Human Endeavour and the topic Describing biodiversity.
		5%	Semester 1 Week 15	Task 4: Ecosystem dynamics test. Complete a 40-minute test, consisting of multiple-choice questions, short-answer questions and an extended-answer question, testing Science Inquiry Skills, Science as a Human Endeavour and the topic Ecosystem dynamics.
		5%	Semester 2 Week 7	Task 9: Cells as the basis of life test. Complete a 40-minute test, consisting of multiple-choice questions, short-answer questions and an extended-answer question, testing Science Inquiry Skills, Science as a Human Endeavour and the topic Cells.
		5%	Semester 2 Week 15	Task 11: Multicellular organisms test. Complete a 40-minute test, consisting of multiple-choice questions, short-answer questions and an extended-answer question, testing Science Inquiry Skills, Science as a Human Endeavour and the topic Multicellular organisms.
Examination	40%	15%	Semester 1 Week 16	Task 5: Semester 1 examination – 2.5 hours using a modified examination design brief from the Year 12 syllabus
		25%	Semester 2 Week 16	Task 12: Semester 2 examination – 3 hours using the examination design brief from the Year 12 syllabus (Content weighting: Unit 3 – 50% and Unit 4 – 50%)
Total	100%	100%		