Government of **Western Australia**
School Curriculum and Standards Authority

SAMPLE ASSESSMENT OUTLINE

INTEGRATED SCIENCE
GENERAL YEAR 11

Sample assessment outline

Integrated Science – General Year 11

Unit 1 and Unit 2

Assessment type	Assessment type weighting	Assessment task weighting	When/due date/ start and submission date	Assessment task
Science Inquiry	50%	5%	Semester 1 Week 5	**Task 2:** Science Inquiry: Practical – Microscopy: Observing cells A practical activity observing student and commercially prepared slides of cells. The practical component of the task will be completed in groups. The analysis of data and follow-up questions will be completed individually in class.
		15%	Semester 1 Weeks 10–11	**Task 5:** Science Inquiry: Investigation – Monitoring a local ecosystem A field study investigating the effects of human impact on a local ecosystem. The planning and conducting will be completed in groups, with the written report to be prepared individually in class.
		5%	Semester 1 Week 13	**Task 6:** Science Inquiry: Practical – The importance of variation A practical activity simulating the effect of variation on the survival of a species. The practical component of the task will be completed in groups. The analysis of data and follow-up questions will be completed individually in class.
		5%	Semester 2 Week 2	**Task 8:** Science Inquiry: Practical – Properties of materials A practical activity identifying the properties of materials. The practical component of the task will be completed in groups. The analysis of data and follow-up questions will be completed individually in class.
		15%	Semester 2 Weeks 6–7	**Task 10:** Science Inquiry: Investigation – Investigating mixtures Part A is a practical activity identifying classifying a selection of mixtures. The practical component of the task will be completed in groups. The analysis of data and follow-up questions will be completed individually in class. Part B is an investigation testing predictions of the best separation technique for each mixture in Part A. The planning and conducting will be completed in groups, with the analysis of data and follow-up questions will be completed individually in class.
		5%	Semester 2 Week 13	**Task 13:** Science Inquiry: Practical – Kinetic and potential energy A practical activity calculating the kinetic and potential energy of a bouncing ball. The practical component of the task will be completed in groups. The analysis of data and follow-up questions will be completed individually in class.

Assessment type	Assessment type weighting	Assessment task weighting	When/due date/ start and submission date	Assessment task
Extended response	30%	15%	Semester 1 Weeks 4–9	**Task 4:** Extended response – Eutrophication: An unintentional impact A research task conducted over a six week period culminating in a presentation to the class. Progress will be monitored with the submission of research notes and presentation plan/storyboard on predetermined dates prior to the final presentation. This is an individual task completed during class time.
		15%	Semester 2 Weeks 10–12	**Task 12:** Extended response – Forces in action A research task culminating in the production of a scientific poster and presentation to the class demonstrating understanding of the forces and Newton's Laws of Motion applied to a selected sport. This is an individual task completed by students during class time.
Test	20%	3%	Semester 1 Week 4	**Task 1:** Test – Earth systems Test consisting of 10 multiple-choice questions, 2–3 short answer questions and one extended answer question.
		3%	Semester 1 Week 9	**Task 3:** Test – Biological systems Test consisting of 10 multiple-choice questions, 2–3 short answer questions and one extended answer question.
		4%	Semester 1 Week 15	**Task 7:** Test – Ecosystems and sustainability and continuity and change Test consisting of 10 multiple-choice questions, 2–3 short answer questions and one extended answer question.
		3.5%	Semester 2 Week 5	**Task 9:** Test – Atomic structure and chemical reactions Test consisting of 10 multiple-choice questions, 2–3 short answer questions and one extended answer question.
		3.5%	Semester 2 Week 11	**Task 11:** Test – Motion and forces Test consisting of 10 multiple-choice questions, 2–3 short answer questions and one extended answer question.
		3%	Semester 2 Week 15	**Task 14**: Test – Energy Test consisting of 10 multiple-choice questions, 2–3 short answer questions and one extended answer question.
Total	**100%**	**100%**		