

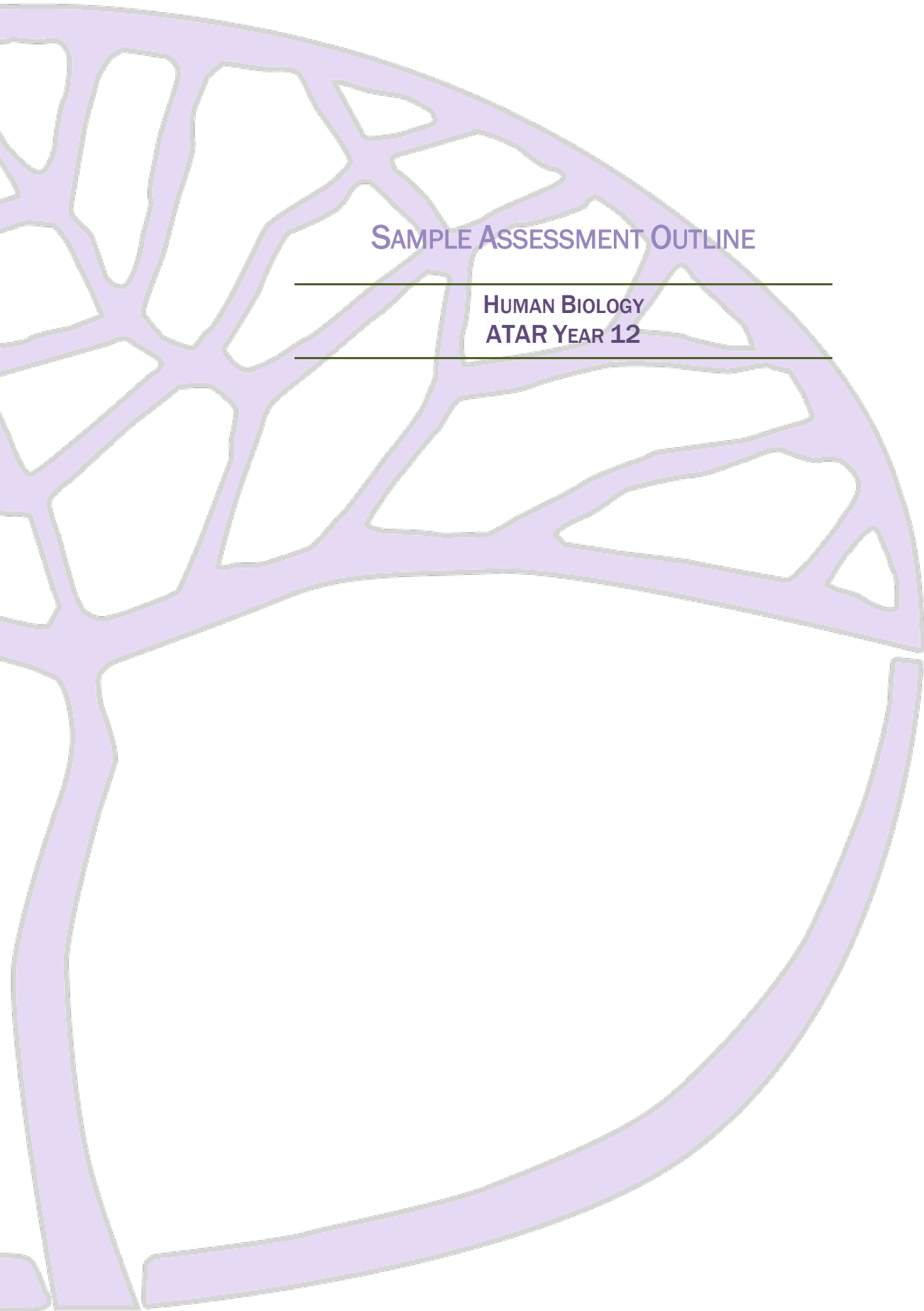


## SAMPLE ASSESSMENT OUTLINE

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**HUMAN BIOLOGY**  
**ATAR YEAR 12**

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Sample assessment outline  
Human Biology – ATAR Year 12  
Unit 3 and Unit 4

Assessment type	Assessment type weighting	Assessment task weighting	When	Assessment task
Science inquiry	10%	2%	Semester 1 Week 8	<b>Task 3:</b> Science inquiry (practical) – Thermoregulation in the human body A practical activity modelling thermoregulation and heat loss from the body. The practical component of the task will be completed in groups and the analysis of data and follow-up questions will be completed individually in class.
		4%	Semester 1 Week 12	<b>Task 5:</b> Science inquiry (investigation) – Modelling the spread of pathogens A practical activity and investigation will be conducted to model the spread of pathogens. The practical activity and investigation planning and conducting will be conducted in groups, with the written report to be prepared individually in class.
		2%	Semester 2 Week 3	<b>Task 7:</b> Science inquiry (practical) – Simulating changes to gene pools A practical activity simulating factors that can effect allele frequencies in populations. The practical component of Parts A – C will be completed in groups. The discussion question for Parts A – C and the remainder of the task will be completed individually in class.
		2%	Semester 2 Week 10	<b>Task 10:</b> Science inquiry (practical) – Our close relations (second-hand data) An activity using comparisons of amino acid sequences to infer the evolutionary relationships between selected vertebrates. The task will be completed individually in class.
Extended response	15%	7%	Semester 1 Week 2–4	<b>Task 1:</b> Extended response – Recombinant DNA technology and its uses A research task resulting in the production of a model of the recombinant DNA technology that can be used to demonstrate the application of the process for improving the quality of life. The research will also consider the ethical concerns associated with this technology. This is an individual task with the application component completed in class.
		8%	Semester 2 Week 6	<b>Task 8:</b> Extended response – Natural selection in humans A task involving the interpretation and evaluation of informational text and video related to natural selection in humans. This is an individual task completed by students during class time.
Test	25%	5%	Semester 1 Week 6	<b>Task 2:</b> Test – Endocrine and nervous systems Test consisting of 10 multiple choice questions, 3–4 short answer questions and one extended answer question.
		5%	Semester 1 Week 11	<b>Task 4:</b> Test – Homeostasis Test consisting of 10 multiple choice questions, 3–4 short answer questions and one extended answer question.
		7%	Semester 2 Week 6	<b>Task 9:</b> Test – Mutations and gene pools Test consisting of 10 multiple choice questions, 3–4 short answer questions and one extended answer question.
		8%	Semester 2 Week 14	<b>Task 11:</b> Test – Evidence for evolution and hominid evolutionary trends Test consisting of 10 multiple-choice questions, 3–4 short answer questions and one extended answer question.

Assessment type	Assessment type weighting	Assessment task weighting	When	Assessment task
Examination	50%	15%	Examination week	<b>Task 6:</b> Examination – Semester 1 (Unit 3 content) Three hours, using the examination design brief from the syllabus Section One: 30 multiple-choice questions (30%) Section Two: 6–10 short-answer questions (50%) Section Three: two questions from a choice of three (20%)
		35%	Examination week	<b>Task 12:</b> Examination – Semester 2 (Unit 3 and 4 content) Three hours, using the examination design brief from the syllabus Section One: 30 multiple-choice questions (30%) Section Two: 6–10 short-answer questions (50%) Section Three: two questions from a choice of three (20%)
<b>Total</b>	<b>100%</b>	<b>100%</b>		