Sample Assessment Outline

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 taskweighting | When | Assessment task |
| --- | --- | --- | --- | --- |
| Science inquiry | 10% | 5% | Semester 1Weeks 8–10 | Task 2: Investigation – Temperature regulation mechanisms of the human bodyIn groups, students will plan and conduct an investigation on temperature regulation mechanisms in humans. An individual written report will be prepared partially at home and completed in class under invigilated conditions. |
| 5% | Semester 2Week 4 | Task 5: Practical – Simulating changes to gene poolsA practical activity modelling changes to gene pools. Students will work in groups to collect data and work individually in class to analyse the data and respond to questions. |
| Extended response | 15% | 7% | Semester 1Weeks 2–4 | Task 1: Extended response – Recombinant DNA technology and its usesA 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 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 2Weeks 7–9 | Task 6: Extended response – Further evidence for evolution A research task on evidence to support the theory of evolution by natural selection. Students will use their research to respond to questions in class under invigilated conditions. |
| Test | 25% | 10% | Semester 1Week 13 | Task 3: Test – Response to infectionTest consisting of 10 multiple-choice questions, three short-answer questions and one extended answer question |
| 15% | Semester 2Week 13 | **Task 7:** Test – Evidence for evolution and hominid evolutionary trendsTest consisting of 10 multiple-choice questions, three to four short-answer questions and one extended answer question |
| Examination | 50% | 15% | Semester 1Week 15 | Task 4: 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 four (20%) |
| 35% | Semester 2Week 15 | Task 8: 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 four (20%)(Content weighting: Unit 3 – 50% and Unit 4 – 50%) |
| **Total** | **100%** | **100%** |  |  |