**Sample Assessment Outline**

Biology

General Year 12

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# Sample assessment outline

# Biology – General Year 12

## Unit 3 and Unit 4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assessment type** | **Assessment  type weighting** | **Assessment**  **task**  **weighting** | **Due date** | **Assessment task** |
| Science inquiry | 30% | 5% | Semester 1  Week 2 | **Task 1:** **Practical – Asexual reproduction in plants**. Grow plants using different methods of asexual reproduction; present results in the form of a written report, poster or photographic display accompanied by notes. |
| 5% | Semester 1  Week 6 | **Task 2: Investigation – Reproduction in flowering plants**. Compare pollen grains from flowers with different mechanisms of pollination; conduct the investigation in class and complete Part 4 under test conditions. |
| 5% | Semester 1  Week 9 | **Task 4: Practical – Model of DNA**.Build a model of DNA and respond to questions on DNA structure and function. |
| 15% | Semester 2  Week 15 | **Task 11: Environmental investigation – A local ecosystem study**. Collaborate with the community in data collection, ecological monitoring and scientific research; present findings to local government, an agency or community group. |
| Extended response | 20% | 10% | Semester 1  Week 12 | **Task 6: Natural selection in action**. Students read or view one or more case studies on natural selection in action. They share their understandings in a class discussion. They respond to questions and apply their knowledge to other situations. |
| 10% | Semester 2  Week 10 | **Task 9: Threats to migratory species**. Students conduct research into one migratory species selected from a list provided. They collate their information during discussion with other class members. They complete an in-class validation exercise using notes collated from their research and class discussion. |
| Test | 35% | 8.75% | Semester 1  Week 8 | **Task 3: Reproduction test** |
| 8.75% | Semester 1  Week 15 | **Task 7: Inheritance and change test** |
| 8.75% | Semester 2  Week 7 | **Task 8: Ecosystems test** |
| 8.75% | Semester 2  Week 14 | **Task 10: Biodiversity test** |
| Externally  set task | 15% | 15% | Semester 1  Week 13 | **Task 5:** A task set by the Authority based on the following content from Unit 3 – <teacher to insert information provided by the Authority> |
| **Total** | **100%** | **100%** |  |  |