**Sample Assessment Outline**

Physics

General Year 12

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# Sample assessment outline

# Physics – General Year 12

## Unit 3 and Unit 4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assessment  type** | **Assessment type  weighting** | **Assessment**  **task**  **weighting** | **Time** | **Assessment task** |
| Science inquiry | 30% | 5% | Semester 1  Week 2 | **Task 1:** Investigation: Measuring speed and acceleration |
| 7% | Semester 1  Week 8 | **Task 3:** Investigation: Factors affecting the severity of collisions |
| 6% | Semester 1  Week 10 | **Task 4:** Investigation: Factors affecting the flight of a water rocket |
| 7% | Semester 2  Week 4 | **Task 7:** Investigation: The relationship between current and potential difference, factors affecting resistance |
| 5% | Semester 2  Week 10 | **Task 9:** Investigation: The magnetic fields of magnets, wires, coils |
| Extended  response | 20% | 10% | Semester 1  Week 11 | **Task 5:** Physics of a sport |
| 10% | Semester 2  Week 12 | **Task 10:** Research your household’s use of electricity |
| Test | 35% | 8% | Semester 1  Week 6 | **Task 2:** Movement: velocity, acceleration, forces |
| 10% | Semester 1  Week 15 | **Task 6:** Movement: Newton’s laws, work, energy |
| 10% | Semester 2  Week 7 | **Task 8:** Electricity: Ohm’s law, series and parallel circuits |
| 7% | Semester 2  Week 15 | **Task 11:** Electric power, safety, magnetism |
| Externally set task | 15% | 15% | Semester 1  Week 12–13 | **Externally set task**  A written task or set of items of 50 minutes duration developed by the School Curriculum and Standards Authority based on the content from Unit 3 and administered by the school. |
| **Total** | **100%** | **100%** |  |  |