**Sample Assessment Outline**

Physics

General Year 11

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# Sample assessment outlipne

# Physics – General Year 11

## Unit 1 and Unit 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assessment  type** | **Assessment type  weighting** | **Assessment**  **task**  **weighting** | **Time** | **Assessment task** |
| Science Inquiry | 40% | 10% | Semester 1  Week 3 | **Task 1:** Investigation – speed of sound, echoes |
| 10% | Semester 1  Week 11 | **Task 3:** Investigation of refraction, critical angle and behaviour of light in lenses |
| 10% | Semester 2  Week 7 | **Task 6:** Investigation of heat in your home or school. Students pose a question about temperature regulation in their home or school and collect data to reach a conclusion |
| 10% | Semester 2  Week 11 | **Task 8:** Experiment– penetration power of radiation (class experiment with teacher handling radioisotopes) |
| Extended  response | 30% | 15% | Semester 1  Week 14 | **Task 4:** Presentation on research into vision in animals (compare a vertebrate and an invertebrate vision system) |
| 15% | Semester 2  Week 12 | **Task 9:** Oral presentation on a nuclear radiation topic (e.g. safety measures for working with radioisotopes, medical diagnosis, medical treatment, advantages and disadvantages of nuclear power, production and use of radioisotopes, nuclear waste, nuclear weapons and their effects) |
| Test | 30% | 7% | Semester 1  Week 6 | **Task 2:** Test on Wave motion and Sound |
| 8% | Semester 1  Week 16 | **Task 5:** Test on Light |
| 8% | Semester 2  Week 8 | **Task 7:** Test on Heat |
| 7% | Semester 2  Week 16 | **Task 10:** Test on Nuclear radiation |
| **Total** | **100%** | **100%** |  |  |