**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 1Week 3 | **Task 1:** Investigation – speed of sound, echoes |
| 10% | Semester 1Week 11 | **Task 3:** Investigation of refraction, critical angle and behaviour of light in lenses |
| 10% | Semester 2Week 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 2Week 11 | **Task 8:** Experiment– penetration power of radiation (class experiment with teacher handling radioisotopes) |
| Extended response | 30% | 15% | Semester 1Week 14 | **Task 4:** Presentation on research into vision in animals (compare a vertebrate and an invertebrate vision system) |
| 15% | Semester 2Week 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 1Week 6 | **Task 2:** Test on Wave motion and Sound |
| 8% | Semester 1Week 16 | **Task 5:** Test on Light |
| 8% | Semester 2Week 8 | **Task 7:** Test on Heat |
| 7% | Semester 2Week 16 | **Task 10:** Test on Nuclear radiation |
| **Total** | **100%** | **100%** |  |  |