



SAMPLE ASSESSMENT OUTLINE

PHYSICS
GENERAL YEAR 11

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Any resources such as texts, websites and so on that may be referred to in this document are provided as examples of resources that teachers can use to support their learning programs. Their inclusion does not imply that they are mandatory or that they are the only resources relevant to the course.

Sample assessment outline

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% | | |