**Sample Assessment Outline**

Physics

ATAR Year 12

**Copyright**

© School Curriculum and Standards Authority, 2015

This document – apart from any third party copyright material contained in it – may be freely copied, or communicated on an intranet, for non-commercial purposes in educational institutions, provided that the School Curriculum and Standards Authority is acknowledged as the copyright owner, and that the Authority’s moral rights are not infringed.

Copying or communication for any other purpose can be done only within the terms of the *Copyright Act 1968* or with prior written permission of the School Curriculum and Standards Authority. Copying or communication of any third party copyright material can be done only within the terms of the *Copyright Act 1968* or with permission of the copyright owners.

Any content in this document that has been derived from the Australian Curriculum may be used under the terms of the Creative Commons [Attribution 4.0 International (CC BY)](https://creativecommons.org/licenses/by/4.0/) licence.

**Disclaimer**

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 – ATAR Year 12

## Unit 3 and Unit 4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assessment type**  | **Assessment type weighting**  | **Assessment** **task** **weighting** | **When** | **Assessment task** |
| Science inquiry | 20% | 5% | Semester 1Week 3 | **Task 1:** Investigation of motion on an inclined plane |
| 5% | Semester 1Week 10 | **Task 3:** Experiment – measuring the magnetic field strength of a solenoid |
| 5% | Semester 2Week 3 | **Task 6:** Investigation of behaviour of light – spectra, diffraction or intensity |
| 5% | Semester 2Week 5 | **Task 7:** Evaluation and analysis – respond to a scientific article on quantum theory and relativity |
| Test | 30% | 8% | Semester 1Week 8 | **Task 2:** Gravity and motion test |
| 8% | Semester 1Week 13 | **Task 4:** Electromagnetism test |
| 7% | Semester 2Week 6 | **Task 8:** Wave particle duality and quantum theory test |
| 7% | Semester 2 Week 13 | **Task 9:** Special relativity and the Standard Model test |
| Examination | 50% | 20% | Semester 1 Week 15 | **Task 5:** Semester 1 Examination based on Unit 3 |
| 30% | Semester 2 Week 15 | **Task 10:** Semester 2 Examination based on Unit 3 and Unit 4 |
| **Total** | **100%** | **100%** |  |  |