Sample Assessment Outline

Physics

ATAR Year 11

**Acknowledgement of Country**

Kaya. The School Curriculum and Standards Authority (the Authority) acknowledges that our offices are on Whadjuk Noongar boodjar and that we deliver our services on the country of many traditional custodians and language groups throughout Western Australia. The Authority acknowledges the traditional custodians throughout Western Australia and their continuing connection to land, waters and community. We offer our respect to Elders past and present.

**Copyright**

© School Curriculum and Standards Authority, 2014

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 (the 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 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 licence](https://creativecommons.org/licenses/by/4.0/).

**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. Teachers must exercise their professional judgement as to the appropriateness of any they may wish to use.

Sample assessment outline – Physics – ATAR Year 11

Unit 1 and Unit 2

| **Assessment  type** | **Assessment type  weighting** | **Assessment task**  **weighting** | **When** | **Assessment task** |
| --- | --- | --- | --- | --- |
| **Science**  **Inquiry** | 20% | 10% | Semester 1 Week 14 | Task 2: Portfolio 1  A small number (3–5) of practical items will be selected that encompass the Science Inquiry Skills to authenticate the portfolio. In gathering appropriate evidence, students will have opportunities to receive feedback in several formative activities. The timing of the practical activities will be provided to the students. |
| 10% | Semester 2 Week 14 | Task 6: Portfolio 2  A small number (3–5) of practical items will be selected that encompass the Science Inquiry Skills to authenticate the portfolio. In gathering appropriate evidence, students will have opportunities to receive feedback in several formative activities. The timing of the practical activities will be provided to the students. |
| **Test** | 40% | 9% | Semester 1 Week 5 | Task 1: Test – Motion  Typically consists of short response and problem-solving questions that may be scaffolded |
| 9% | Semester 1 Week 14 | Task 3: Test – Forces, mechanical and thermal energy  Typically consists of short response and problem-solving questions that may be scaffolded |
| 11% | Semester 2 Week 9 | Task 5: Test – Waves and Nuclear physics (nuclear model, types of radiation, nuclear equations, half-life, biological effects of radiation)  Typically consists of short response and problem-solving questions that may be scaffolded |
| 11% | Semester 2 Week 14 | Task 7: Test – Nuclear physics (binding energy, fission and fusion, reactors) and Electrical physics  Typically consists of short response and problem-solving questions that may be scaffolded |
| Examination | 40% | 15% | Semester 1 Week 16 | Task 4: Semester 1 examinationbased on Unit 1 content  2.5–3 hours using a modified examination design brief from the ATAR Year 12 syllabus  Section One: 10–15 short response questions (30%)  Section Two: 6–8 problem-solving questions (50%)  Section Three: two questions (20%) |
| 25% | Semester 2 Week 16 | Task 8: Semester 2 examinationbased on Unit 1 (40%) and 2 (60%) content  3 hours using a modified examination design brief from the ATAR Year 12 syllabus.  Section One: 10–15 short response questions (30%)  Section Two: 6–8 problem-solving questions (50%)  Section Three: two questions (20%) |
| Total | 100% | 100% |  | |