

Assessment Specifications

Scholarship Physics 2026

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General information

Performance Standard:	93103
Assessment method:	Examination, end of year
Assessment medium:	Printed paper

[Physics subject page](#)

[National secondary examinations timetable](#)

Format of the assessment

There are 4 questions. Individual questions may cover the content of more than one achievement objective in the New Zealand Curriculum up to Level 8.

Equipment required

Candidates require an approved calculator, a ruler, and a protractor. Any approved scientific or graphing calculators may be used.

Resources or information supplied

All necessary formulae, constants, and data will be provided.

Special notes

All working should be shown in calculations. Numerical answers should be rounded to an appropriate number of significant figures. Correct units should be included. Explanations and calculations are expected to be well set out and concise.

Content / context details

Questions may be asked within a variety of appropriate contexts, some of which may be unfamiliar to the candidates. Some questions may involve extended discussion, where the candidate needs to judge what is required.

Questions relating to practical work may include discussions of sources of error, reliability of data collected, and validity of conclusions drawn.

Assessment will be limited to a selection of the content given in the Level 3 physics achievement standards. In relation to P3.5 Demonstrate understanding of Modern Physics – the following content knowledge will be required:

- the Bohr model of the hydrogen atom: the photon; the quantisation of energy; discrete atomic energy levels; electron transition between energy levels; ionisation; atomic line spectra; the electron volt
- the photoelectric effect
- wave / particle duality
- qualitative description of the effects of the strong interaction and Coulombic repulsion
- binding energy and mass deficit; conservation of mass-energy for nuclear reactions.

Content knowledge from curriculum Levels 6 and 7, relevant to the above standards, will be assumed.

Special assessment conditions

Refer to the NZQA website for further information:

[Aromatawai special assessment conditions](#)