



Physical Science Level 1, PSC111 2009

Aims/General Learning Outcomes

To understand high-level science concepts from the areas of Physical World and Material World.
To apply concepts in unfamiliar contexts.
To develop problem-solving skills.

Course Content

Chemistry

Describe chemical reactions and carry out calculations.
Describe atomic structure and bonding.
Describe properties and reactions of carbon and its compounds.

Physics

Demonstrate knowledge and understanding of wave characteristics and behaviour, heat transfer and nuclear physics, electricity and magnetism. Use appropriate methods to solve related problems.

Assessment Details

This subject contains six Achievement Standards and **23** credits for NCEA Level 1. All standards are externally assessed.

During the year class tests will be given at the end of a topic, and there will be an internal school examination to help you prepare for the final National Examination.

Appeals

Any queries about an assessment decision should be made to your class teacher when the assessment is handed back. Formal appeals should be made, **within one week** of the assessed work being returned to Ms Powell, Head of the Science Department, or to the Principal's Nominee, Mrs Butler, who will investigate it further.

Work done in pencil or which has 'white-out' corrections cannot be reconsidered for appeals. Appeals need to be made within one school week of receiving a result.

Further assessment opportunities

There are no reassessment opportunities.

Assessment Record Sheet for PSC111 in 2009

Name and number of standard	Credit value	Internal/ External	When assessment takes place	Length of assessment	Description of assessment	Formative test result	Result in school examination
Physics 90182, version 3. Demonstrate knowledge and understanding of wave and light behaviour.	5	External	Formative: week 8 term 1 Summative: NCEA examination in November	1 period	Written test.		
Chemistry 90172, version 3. Describe atomic structure and bonding.	3	External	Formative: week 2 term 2 Summative: NCEA examination in November	1 period	Written test.		
Chemistry 90171, version 3. Describe chemical reactions.	4	External	Formative: week 8 term 2 Summative: NCEA examination in November	1 period	Written test.		
Physics 90184, version 3. Demonstrate knowledge and understanding of heat and nuclear physics.	3	External	Formative: week 3 term 3 Summative: NCEA examination in November	1 period	Written test.		
Physics 90185, version 3. Demonstrate knowledge and understanding of electricity and magnetism.	5	External	Formative: week 10 term 3 Summative: NCEA examination in November	1 period	Written test.		
Chemistry 90648, version 1. Describe properties and reactions of carbon and its compounds.	3	External	Formative: week 4 term 4 Summative: NCEA examination in November	1 period	Written test.		Not assessed.