



## Science Level 1, SCI111 2009

### **Aims/General Learning Outcomes**

To use the subject skills of planning investigations, information gathering of data, processing and interpreting data, and reporting collected and/or processed data.

To understand basic Science concepts from the areas of Physical World, Living World, Material World, and to apply the knowledge to new situations.

### **Course Content**

**Investigation:** You will carry out a practical investigation with direction by planning the investigation, collecting and processing data, and interpreting and reporting the findings.

**Process information:** You will process information and relate this to a scientific application.

**Biology:** Gain knowledge and understanding of biological ideas relating to how humans use and are affected by micro-organisms and how genetic information is transferred.

**Chemistry:** You must be able to describe the characteristic properties and reactions of metals, acids, alkalis, and write word and symbol equations for the reactions.

**Physics:** Gain knowledge and understanding of motion, energy and electrical systems and the use of appropriate methods to solve related problems.

### **Assessment Details**

This subject contains five Achievement Standards and **21** credits for NCEA Level 1.

- **2 Internal Achievement Standards (6 credits)**
- **3 External Achievement Standards (15 credits)**

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 SCI111 in 2009**

<b>Name and number of standard</b>	<b>Credit value</b>	<b>Internal/ External</b>	<b>When assessment takes place</b>	<b>Length of assessment</b>	<b>Description of assessment</b>	<b>Result</b>	
Science 90186, version 3.  1.1 Carry out a practical investigation with direction.	4	Internal	Between April 27 <sup>th</sup> and May 15 <sup>th</sup>	3 periods	Plan, carry out and write-up a practical investigation. All work will be completed during 3 class periods.		
Science 90187, version 3.  1.2 Process information to describe a use of science knowledge with direction.	2	Internal	Between June 22 <sup>nd</sup> and July 3 <sup>rd</sup>	2 periods	Process secondary information to describe a use of science knowledge. All work will be completed in class over a period of two hours.		
						Result in formative test	Result in school examination
Science 90188, version 2.  1.3 Describe aspects of biology	5	External	<b>Microbes</b> formative test: week 7 term 2.  <b>Genetics</b> formative test: week 4 term 4.	1 period per assessment	Written tests.	Microbes:  Genetics:	
Science 90189, version 2.  1.4 Describe aspects of chemistry	5	External	<b>Atoms</b> formative test: week 3 term 1.  <b>Chemistry</b> formative test: week 8 term 1.	1 period per assessment	Written tests.	Atoms:  Chemistry:	
Science 90191, version 2.  1.6 Describe aspects of physics	5	External	<b>Electricity</b> formative test: week 2 term 3.  <b>Force, motion and energy</b> formative test: week 8 term 3.	1 period per assessment	Written tests.	Electricity:  Force, motion and energy:	