

COURSE OUTLINE 2012

Subject and Level:

Year 11 Applied Science

Course Prerequisites:

Year 10 Science

A course book is required

Aims:

The purpose of Applied Science at year 11 (Level 1) is to provide a meaningful and achievable course aimed at students for whom External Achievement Standards exams are an unrealistic goal. The course promotes achievement at this level and students can also gain NCEA Level 1 credits through a series of stand-alone Achievement Standards.

Practical work and research are important components of the course. The course is based on level 6 of the New Zealand Science Curriculum.

- **Living world**
- **Planet Earth and beyond**
- **Physical world**
- **Material world**

Course Content:

A course for one year's study will include about 5 internally assessed units chosen from the list below. This provides a maximum of 20 NZQA Level 1 credits.

1. Investigate the **implications of heat** for everyday life
2. Investigate the implication of the **properties of metals** for their use in society
3. Investigate **life processes and environmental factors** that affect them
4. Investigate biological ideas relating to interactions between humans and **micro-organisms**
5. Demonstrate understanding of the effects of **astronomical cycles** on planet Earth
6. Investigate an Earth science event – **Christchurch Earthquake**

Assessment:

Internally NCEA Level 1 credits through a series of stand-alone Achievement Standards. Assessment will be carried out at the completion of each unit topic. One reassessment opportunity is offered if required.

Appeal procedures:

Follows the approved LPHS Assessment Appeals Procedure.

Contact for further inquiries:

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Assessment chart: 11 Science Applied

US No	Standard Title	Credits	Format	Indicative Date
AS 90943 v1	1.4 Investigate the implications of heat for everyday life	4	Practical's and portfolios	Term 1
AS 90946 v1	1.7 Investigate the implication of the properties of metals for their use in society	4	Practical's and portfolios	Term 1
AS 90949 v1	1.10 Investigate life processes and environmental factors that affect them	4	Practical's and portfolios	Term 2
AS 90950 v1	1.11 Investigate biological ideas relating to interactions between humans and micro-organisms	4	Practical's and portfolios	Term 2
AS 90954 v1	1.15 Demonstrate understanding of the effects of astronomical cycles on planet Earth	4	Practical's and portfolios	Term 3
AS 90955 v1	1.16 Investigate an Earth science event	4	Practical's and portfolios	Term 3