

Piopio College
Year 11 2012
Course Information

INFORMATION TO GET YOU STARTED

Students in Y11 work towards gaining the National Certificate of Educational Achievement Level 1.

You do this by gathering credits, which are awarded when you achieve the required standard in a subject you are studying.

NCEA L1 is awarded to students who gain 80 or more credits at NCEA L1 or higher
The 80 credits must include 10 credits in Literacy and 10 credits in Numeracy.

The Literacy credits may be gained from

- Unit standards - Package of three literacy unit standards (total of 10 credits - three required); or
- Achievement standards available through a range of subjects (minimum total of 10 credits)

The Numeracy credits may be obtained from

- Unit standards - Package of three literacy unit standards (total of 10 credits - all three required); or
- Achievement standards available through a range of subjects (minimum total of 10 credits)

Most Y11 students will gain 80 credits from one year's good work.

CHOOSING SUBJECTS

So how do you decide what subjects to take? Here are some things to consider.

What do I enjoy and what am I good at?

Your chances of doing well at school are better when you enjoy the subjects, or have a natural talent for them. These are subjects you should look at first when choosing your course.

If you are thinking of a subject, but don't know much about it, talk to a teacher.

What do I want do after school?

It makes sense to choose subjects that relate to what you want to do after you leave school. Many careers or qualifications have special requirements.

For example, if you want to be a builder you should consider Carpentry. If a career in medicine appeals to you, then science subjects are a good choice.

What if I don't know what I want to do?

Most students at Y11 are not sure what they want to do when they leave school. The best path is to take as broad a range of subjects as possible, to keep your options open. Your abilities and interests will change over time or you might find out about new careers that you had never heard of before.

Whatever stage you're at, look for advice and think carefully about what you're told. Ask parents, friends, teachers, your Year Leader (Mrs Draper), the Careers Advisor (Mr Burnell) or Mr Day.

Y11 COURSE

In 2011, we are dividing Y11 into two classes.

One class will follow an integrated programme.

In four of the option blocks, they will be working with Mr Burnell and Mrs Rauputu.

	A	B	C	D	E	F
NCEA L1	English	Maths	Science	Physical Education	Hospitality	Art
	Integrated programme (English, Maths, Science, Agriculture, Recreation or PE, STAR)				Social Sciences	Carpentry
			Te Reo Māori			Technology Soft Materials

The other class will follow a traditional Y11 course, in which each student takes six subjects

- ❖ English
- ❖ Mathematics
- ❖ Science **or** Te Reo Māori
- ❖ Physical Education **or** Recreation
- ❖ 1 subject from group E
- ❖ 1 subject from group F

These alternatives will be explained at the information meetings on Thu 17 Nov and Fri 18 Nov.

In 2012 some courses will be organised into blocks of work called modules.

We hope this will provide students with greater flexibility in choosing a course that meets their learning needs.

Details of the modules for each subject are given later in the booklet.

NZQA ENTRY FEES

Entry fees in 2011 were \$76.70

The College collects the fees on behalf of NZQA.

They must be paid in full by the end of July.

Late payments attract a penalty fee of \$50

Financial assistance may be available for families, if they are in one of these situations

- receive a Social Welfare benefit
- income entitles them to a Community Services Card
- have 2 or more students entering for secondary school qualifications in the same year

We do not know if you qualify for financial assistance unless you let us know.

Applications for financial assistance are confidential.

Every year, despite frequent reminders, a few families don't pay their fees on time. They end up having to pay \$126.70 to get their results, when all they needed to pay was \$20. Don't delay 😊

SUBJECT DETAILS

The remaining pages of the booklet provide you with detailed information about each course.

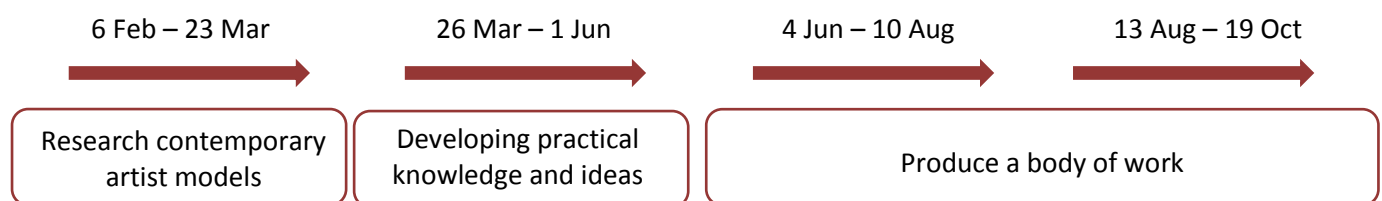
The courses are arranged in alphabetical order.

This course aims to develop ideas and understanding of artistic concepts. This subject has a strong emphasis on investigating contemporary art works through writing, drawing, painting and print-making. A great deal of enthusiasm and effort is required. Students are also required to do homework in this subject.

You will make good use of the key competencies:

- Thinking
- Relating to others
- Using language, symbols and text
- Managing self
- Participating and contributing

Overview of the course



Module 1

Investigate Māori and European artworks from established practice.

AS90018

Level: NCEA L1

Assessment: Internal

Credits: 3

Module 2

Generate and develop ideas using drawing processes and procedures in design/painting or photography practice.

AS90019

Level: NCEA L2

Assessment: Internal

Credits: 6

Module 3

Produce a systematic body of work that shows understanding of art making conventions and ideas within design/painting or photography.

AS90235 / AS90479 / AS90480

Level: NCEA L2

Assessment: External

Credits: 12

By the end of the course you will:





- Be able through the investigation of artist models interpret their styles into your own work.
- Have extended skills in a range of materials, techniques and technologies.
- Use a systematic approach to the development of ideas in a body of work.
- Use critical analysis to be able to interpret and respond to art works.

This Level 1 qualification has no compulsory pre-requisite and includes both practical and theory studies with an emphasis on, wherever possible, learning through real practical projects. It covers skills in communication, literacy, maths, quality standards, workshop procedures, freehand sketching, job specifications, health and safety, materials knowledge and hand tools.

Students will be encouraged to work towards The National Certificate in Building, Construction and Allied Trades - Entry Level 1 for which Units 34352, 24355 and 24356 plus English and Maths are compulsory. This can be achieved over one or two years by students who show good self-motivation and set themselves high standards.

We expect to be able to work as a team to achieve the best outcomes for all as though in a real workplace situation.

Overview of the course:

6 Feb – 23 Mar 	26 Mar – 1 Jun 	4 Jun – 10 Aug 	13 Aug – 19 Oct 
Workplace Safety Project Design	Project Planning and Construction	Care, Use of Hand Tools Know, Use Joints	
Towards the National Certificate in BCATS during the year from your other subjects you will need to gain: A minimum of 3 Credits from English L1 A minimum of 7 Credits from Mathematics L1			

Module 1:

24352 - Demonstrate knowledge of and apply safe working practices in a BCATS Project. Credits: 2

- demonstrate knowledge of safe working practices for a basic construction project.
- select, use and maintain personal protective equipment.

25920 - Use joints for a BCATS project. Credits 3

- Identify and describe types of joints and select jointing methods for a BCATS project.
- Use joints for a BCATS project.

Modules 2 & 3:

24355 - Demonstrate knowledge of construction and manufacturing materials. Credits: 4

- select construction and manufacturing materials for a practical project.
- describe the properties of selected materials.
- evaluate selected materials' suitability to meet job requirements.

24356 - Apply elementary workshop procedures and processes. Credits: 8

- establish job requirements for a specified project
- prepare to apply processes
- mark out materials for further processing
- apply cutting and shaping processes
- join materials and assemble product components

Module 4:

12927 - Identify, select, use and maintain hand tools used for BCATS projects. Credits 6

- identify, describe and select hand tools for construction projects;
- use hand tools for construction projects; and
- maintain hand tools for construction projects.

25921 – Make a cupboard as a BCATS project L2 Credits 6

- must include a door and drawer
- prepare a cutting list
- mark out, cut and machine materials
- assemble and finish

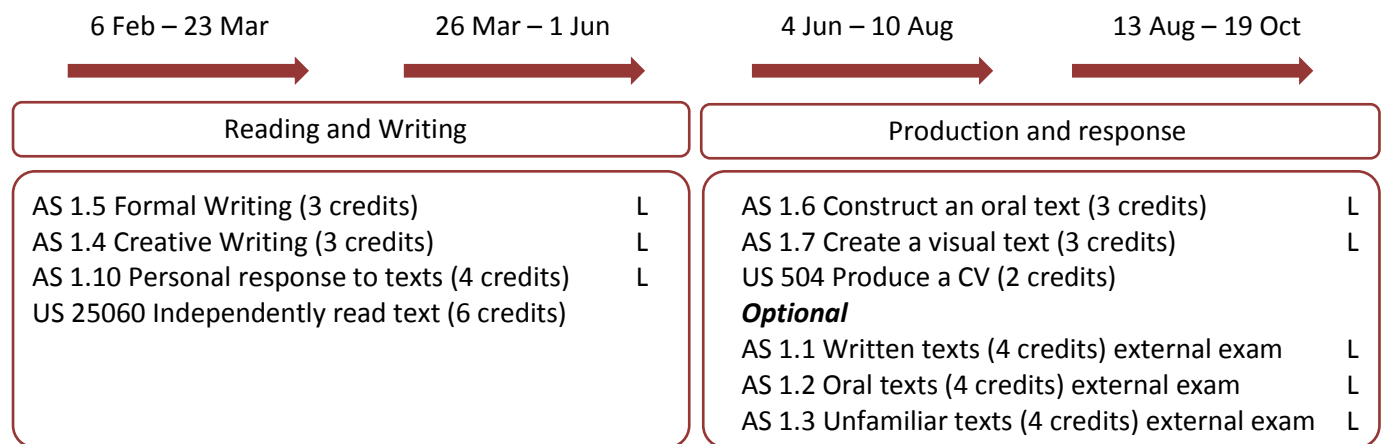
Students will be offered a range of choices based on their learning needs.

Classes will undertake an English programme that covers the curriculum.

They will be offered unit and achievement standards that are suitable for those preparing for the workplace as well as those who want to go on to university.

Students who wish to enter the optional external papers must register their interest by the end of term 2.

Overview of the course (dates are approximate)



Standards marked with an L count towards NCEA L1 Literacy

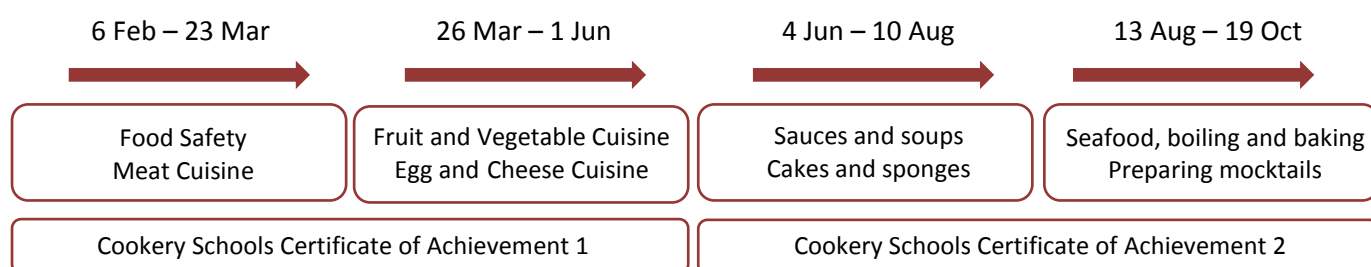
This course will help you to

- explore aspects of the cookery and hospitality trade
- practice food safety methods in a food business
- learn a range of culinary skills
- learn how to prepare, cook and serve food in the hospitality profession

You will make good use of the key competencies

- thinking
- relating to others
- using language, symbols and text
- managing self
- participating and contributing

Overview of the course (dates approximate)



Module 1 and Module 2 HSI Certificate of Cookery Schools Achievement 1

US 15620 Apply knowledge of food hygiene in preparation, serving and storage of food	Level 1 Credits 6
US 15900 Prepare and present meat in the hospitality industry	Level 1 Credits 4
US 15901 Prepare and present fruit & vegetables in the hospitality industry	Level 1 Credits 3
US 19770 Prepare and present egg & cheese dishes in the hospitality industry	Level 1 Credits 2

Assessment: Internal moderation

Module 3 & Module 4 HSI Certificate of Cookery Schools Achievement 2

US15895 Demonstrate knowledge of boiling & baking in the catering industry	Level 1 Credits 2
US15920 Prepare & present sauce & soup in the hospitality industry	Level 1 Credits 3
US15921 Prepare & cook a cake, a sponge and scones in the hospitality industry	Level 1 Credits 3
US19770 Prepare cook & present seafood in the hospitality industry	Level 1 Credits 3
US21057 Prepare, construct & garnish mocktails for the hospitality industry	Level 1 Credits 2

Assessment: Internal moderation

By the end of the course you will:

- have completed the Level 1 Foundation Skills course in Hospitality and gained 28 credits
- have gained HSI cookery skills Certificates of Achievement in cooking
- have gained knowledge and experience of preparing, cooking and serving food in the hospitality profession.

With further study in this field, some career options are:

Chef	Waiter
Hospitality Management	Cafe Assistant
Cafe Operations	Restaurant Service

This course will provide a balanced maths programme that will develop skills to allow students to apply mathematical reasoning and understanding to solve problems

It will provide a foundation for students who may wish to continue studies in mathematics (egg Level 2, 12MAT) or other learning areas where mathematical concepts are central

The course will be assessed using the new realigned Achievement Standards

Students taking this course are expected to gain there 10 numeracy credit by passing Achievement Standards. However data will be collected so students who are at risk of not gaining numeracy by Achievement Standards will be able to get there numeracy through the three “new” Unit Standards

Students taking this course will require a scientific calculator (and would benefit from having a graphics calculator if intending to progressing to do level 2 Achievement Standards in year 12) and to buy a series of a workbooks.

Pre-requisite: Satisfactory level of achievement in the year 10 maths course and at the discretion of HOD of Maths. The number and timing of the Standards will depend on the ability mix of the class. But will be selected from the Standards listed below.

Numeracy Unit Standards

(All 3 required for numeracy)

These unit standards are assessed on the basis of naturally occurring evidence from real contexts. Therefore assessment for these unit standards are not one-off assessment events designed specifically for this purpose.

Standard Number	Standard Title	Level	Credits
	Use number to solve problems		
26623	People credited with this unit standard are able to use number to solve problems. They will be able to add, subtract, multiply, and divide numbers, using their knowledge of fractions, percentages, decimals, integers, place value, number facts, and number sequencing.	1	4
	Interpret statistical information for a purpose		
26626	People credited with this unit standard are able to interpret statistical information for a purpose. They will be able to identify the features of a data set and draw reasonable conclusions based on provided material.	1	3
	Use measurement to solve problems		
26627	People credited with this unit standard are able to use measurement to solve problems. They will be able to undertake measurements such as length and capacity, calculate area and volume, and interpret location and direction, using their knowledge of the metric system, conversions, and estimation.	1	3

Achievement Standards

Standard Number	Standard Title	Level	Int or Ext	Credits
1.1	Apply numeric reasoning in solving problems You will learn to use number skills to solve problems, involving percentages, ratios, fractions, decimals, integers.	1	Int	4
1.2	Apply algebraic methods in solving problems You will learn how to use and solve linear, quadratic and simultaneous equations, manipulate expressions by simplifying expanding and factorising.	1	CAT	4
1.3	Investigate relationships between tables, equations and graphs You will learn how to draw, use and interpret linear and quadratic graphs.	1	Ext	4
1.5	Apply measurement in solving problems You will learn how to apply and solve measurement problems involving time, perimeters, areas, surface areas and volumes.	1	Int	3
1.7	Apply right angled triangles in solving measurement problems You will learn how to solve problems involving right angled triangles using Pythagoras and trigonometry.	1	Int	3
1.10	Investigate a given multivariate data set using the statistical enquiry cycle You will learn how plan, design sample, analyse and draw conclusions about multivariate data using the inquiry cycle.	1	Int	4
1.13	Investigate a situation involving elements of chance You will learn how to solve problems involving probability	1	Int	3

Overview of the course (dates are approximate)

Module 1 Introduction to biomechanics, anatomy exercise physiology and body function in relation to physical activities. Students will become familiar with biomechanics particularly balance and stability, Newton's Laws, force and levers. They will also be introduced to key terms related to anatomy, movement, energy systems, and physiological responses to exercise while undertaking activities.

AS 90963 (PE 1.2) Demonstrate understanding of the function of the body as it related to the performance of physical Activity.

Level: NCEA L1 Assessment: Internal The student will decide on a particular resistance exercise as well as an aerobic Training activity. The skills will be deconstructed with students observing and discovering how their body functions. The student would need to practically demonstrate and verbally articulate their understanding in the three key areas of anatomy, biomechanics and exercise physiology to the teacher on up to 3 occasions within a 3 week time frame. Credits: 5

Module 2 The class as a whole, or groups within, will set a defined aim and have a plan of action that leads to others participating in physical activity. When the activity has been determined then the functions and responsibilities of various roles would be identified. Action plans would be designed and the event would be held.

AS90969 (PE 1.8) Take purposeful action to assist others to participate in physical activity.

Level: NCEA L1 Assessment: Internal. An event would be organised as above. Evidence of each student's actions would need to be presented as well as the collection of feedback gathered from the participants. Credits: 2

Module 3 A theoretical understanding of the factors that influence participation will come from discussions, research and classroom based lessons prior to active participation. During the teaching and learning programme high levels of effort and engagement, as well as support for others, would be required in the variety of activities. A portfolio of participation would be compiled.

AS 90962 Participate actively in a variety of physical activities and explain factors that influence own participation

Level: NCEA L1 Assessment: Internal. Students will take part in a variety of physical activities with effort and engagement being assessed by themselves and their teacher. Journal entries would be made in their electronic portfolios. The portfolios would also include explanations of the factors that influenced their effort and engagement. Credits: 5

Module 4 Students will participate in a range of activities with one or more being selected for assessment. The teaching and learning programme would take place over a period of time with the assessment occurring during game situations.

AS 90964 (PE 1.3) Demonstrate quality movement in the performance of a physical activity.

NCEA L 1 Assessment: Internal There will be self and teacher assessment (for verification) against assessment criteria at the start, during, then at the completion of the selected activity. Self assessment sheets would need to be completed at the required and agreed times. If more than one activity is assessed then the best result would be recorded.

Credits: 4

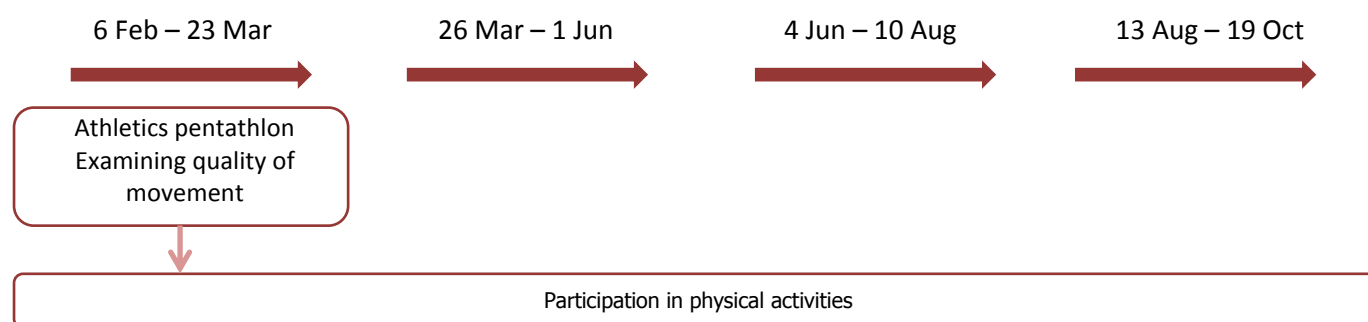
Module 5 Societal influences on the participation in physical activities

Students will gain an awareness and further understanding of societal influences such as media, advertising, peer opinions and social marketing on physical activity. Themes such as healthism, sexism, youth culture and commodification may be briefly explored.

AS 90965 (PE 1.4) Demonstrate understanding of societal influences on physical activity and the implications for self and others

Assessment: Internal A questionnaire on the effect of an activity on 4 family members would be constructed and completed. The student would be required to experience the activities that the family members participate in. Then conclusions would be developed about the effect of societal influences on physical activity and presented in a written report.

Credits 4

Overview of the course (dates are approximate)**Module 1 Athletics Pentathlon and examining the quality of movement**

Students will pre-test times and distances achieved in a range of athletic skills then focus and plan for training in 5 events trying to gain improvements and points in the 5star Pentathlon along with preparing for our own athletic sports. The theoretical component involves examining the quality of movement in guided tasks.

AS 90524 Demonstrate quality movement in the performance of a physical activity.

Level: NCEA L1 Assessment: Internal Credits: 3

Students are required to record times and distances achieved in 5 athletic events then plan for and undertake skill improvement, Written tasks would then be completed on why improvements were made (or not).

AS 90525 Demonstrate and describe the factors/strategies that influence performance of a physical activity.

Level: NCEA L1 Assessment: Internal Credits: 3 Literacy

Module 2 Participation in physical activities

This module is predominately recreational in nature with opportunities to develop team and individual skills, and to undertake fitness training.

Science aims to help students to develop their knowledge and understanding of the world around them. Students are assessed at Level 6 of Science in the New Zealand Curriculum.

This course is intended for students who intend to study one or more of the specialist sciences Biology, Chemistry and Physics in Y12 and Y13.

Physical World

US 18980 Demonstrate basic knowledge of waves
NCEA L1 Assessment: Internal Credits: 2

AS S1.2 Investigate the implication of electricity and magnetism in everyday life.
NCEA L1 Assessment: Internal Credits: 4 Numeracy

Material World

US 18973 Demonstrate knowledge of patterns in matter
NCEA L1 Assessment: Internal Credits: 2

AS S1.5 Demonstrate an understanding of aspects of acids and bases
NCEA L1 Assessment: External exam Credits: 4

Living World

US 18969 Demonstrate knowledge of the characteristics of living things, organs and organ systems
NCEA L1 Assessment: Internal Credits: 2

AS S1.1 Demonstrate understanding of biological ideas relating to genetic variation
NCEA L1 Assessment: External exam Credits: 4

If time permits further internal Achievement Standards will be offered from:

AS S1.1 Investigate life processes and environmental factors that affect them
NCEA L1 Assessment: Internal Credits: 4

AS S1.7 Investigate the implications of the properties of metals to their use in society
NCEA L1 Assessment: Internal Credits: 4

Science aims to help students to develop their knowledge and understanding of the world around them. Students are assessed at Level 6 of Science in the New Zealand Curriculum.

This course is intended for students who do not intend to study one or more of the specialist sciences Biology, Chemistry and Physics in Y12 and Y13.

Physical World

US 18980	Demonstrate basic knowledge of waves
NCEA L1	Assessment: Internal Credits: 2

Material World

US 18973	Demonstrate knowledge of patterns in matter
NCEA L1	Assessment: Internal Credits: 2

Living World

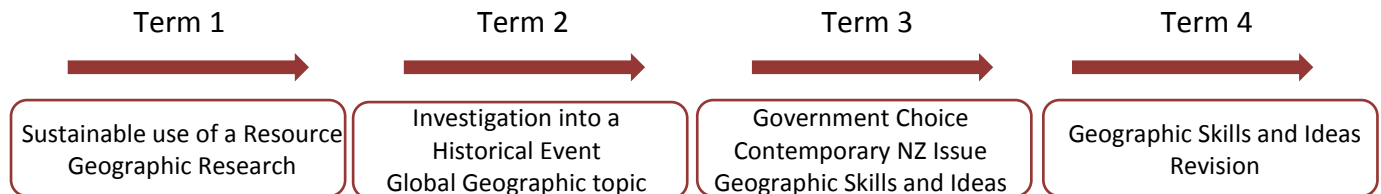
US 18969	Demonstrate knowledge of the characteristics of living things, organs and organ systems
NCEA L1	Assessment: Internal Credits: 2

Further internal Achievement Standards will be offered from according to the needs of the students:

NZQA No	Title	Credits
AS 90918	Carry out a practical agricultural or horticultural investigation	4
AS 90157	Demonstrate practical skills used in agricultural or horticultural production	4
AS 91082	Implement basic procedures to process a specified product (yogurt)	4
AS 91084	Demonstrate understanding of basic concepts used in preservation and packaging techniques for product storage (yogurt)	4
AS 90930	Carry out a practical chemistry investigation, with direction	4
AS 90935	Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction	4
AS 90925	Carry out a practical investigation in a biological context, with direction	4
AS 90945	Investigate implications of the use of carbon compounds as fuels	4
AS 90955	Investigate an astronomical or Earth science event	4
US 23783	Grow and maintain plants in containers from seed.	5
US 1	Prepare and sow outdoor seedbeds manually	5
US 23782	Identify containers, materials, plants, and tools used in plant propagation.	2
US 23780	Undertake general garden maintenance.	5

The social sciences course at L1 provides a broad range of opportunities to complete internal achievement standards from across disciplines. The majority of standards are geography standards, however 8 internal credits, four each from economics and history will be offered in place of previously taught externals. A course in the social sciences aims to develop students' awareness of their environment, the decisions that we as humans make and their implications, and how our past helps us to view both the present and the future.

Overview of the course



Geography AS 91009 Level: NCEA L1	Demonstrate geographic understanding of sustainability of use of a natural resource Assessment: Internal Credits: 3	Literacy
Geography AS 91011 Level: NCEA L1	Conduct geographic research, with direction Assessment: Internal Credits:4	Literacy and Numeracy
History AS 91001 Level: NCEA L1	(Attempting this standard will depend on the degree of success in AS 91011) Carry out an investigation of an historical event, or place, of significance to New Zealanders Assessment: Internal Credits:4	Literacy
Geography AS 91013 Level: NCEA L1	Describe aspects of a geographic topic at a global scale Assessment: Internal Credits:3	Literacy
Economics AS 90987 Level: NCEA L1	(Attempting this standard will depend on how well the class has progressed to this point) Demonstrate understanding of a government choice where affected groups have different viewpoints Assessment: Internal Credits:4	Literacy and Numeracy
Geography AS 91012 Level: NCEA L1	Describe aspects of a contemporary New Zealand geographic issue Assessment: Internal Credits:3	Literacy
Geography AS 91010 Level: NCEA L1	Apply concepts and basic geographic skills to demonstrate understanding of a given environment Assessment: External Credits:4	Numeracy

Most students who attend well and take all the assessments have the potential to gain between 17 and 25 credits.

Costs:

Skills booklet @\$18

Study Camp (March) approx \$100

The following Achievement Standards will offered in 2012.

These are aligned to 'Te Marautanga', this is the new 'Te Reo Māori Curriculum'
Literacy credits apply to this subject

Prerequisites:

At least two years acquiring Te Reo Māori prior to starting this course.

Achievement Standard	Topic	Credits
AS 90131(Internal)	Whakarongo i te reo o tōna ao	6
AS 90132(Internal)	Kōrero i te reo o tōna ao	6
AS90133(External)	Pānui ite reo o tōna ao	6
AS90134(External)	Tuhituhi i te reo o tōna ao	6

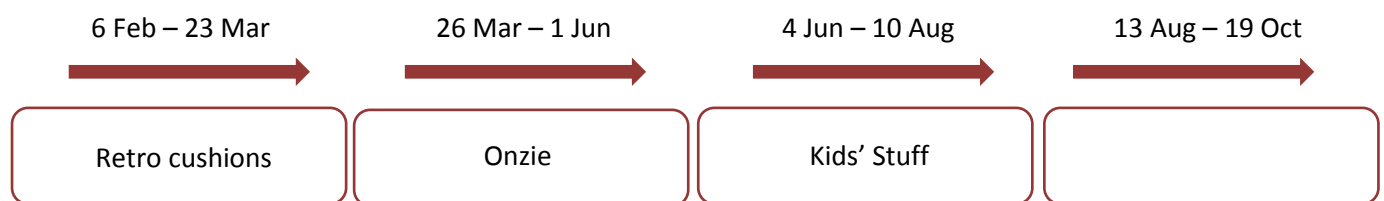
This course will help you to

- learn to use a range of sewing techniques
- create and sew garments for yourself and others
- create solutions to your own and others design briefs
- develop good design appreciation
- understand the properties of fibres and fabrics
- safely use a range of sewing equipment

You will make good use of the key competencies

- thinking
- relating to others
- using language, symbols and text
- managing self
- participating and contributing

Overview of the course



Module 1 Retro cushions

You will learn some introductory basic sewing techniques and construct a simple cushion out of a woven fabric.

AS 1.21. Implement basic procedures using textile material to make a specified product
Level: NCEA L1 Assessment: Internal Credits: 6

Module 2 'Onzie'

You will choose a design and fabric and create some nightwear.

AS 1.4 Undertake development to make a prototype to address a brief
Level: NCEA L1 Assessment: Internal Credits: 6

AS 1.26 Make basic adaptations to enable a design to fit a person
Level: NCEA L1 Assessment: Internal Credits: 4

Module 3 Kids' Stuff

You will design, select and prepare the pattern and fabric for an item of childrenswear.

AS 1.1 Undertake brief development to address a need or opportunity.
Level: NCEA L1 Assessment: Internal Credits: 4

AS 1.23 Demonstrate understanding of basic concepts used to make products from textile materials.
Level: NCEA L1 Assessment: Internal Credits: 4

By the end of the course you will:

- learn a range of garment construction skills
- learn construction sequences, and make garments and other soft material items
- set up, adjust and confidently operate a domestic sewing machine and a domestic overlocker.
- understand basic design principles
- learn how to select appropriate fabrics to design and make a range of soft material apparel

With further study in this field, some career options are:

- Fashion buyer
- Designer or designer assistant
- Product development manager
- Fashion illustrator
- Pattern drafter
- Merchandiser/stylist

