

GORE HIGH SCHOOL



**YEAR 13
COURSE BOOKLET 2009**

SENIOR QUALIFICATIONS

The National Certificate of Educational Achievement is the main qualification students will study towards at Secondary School. The Certificate is available at three levels. The NCEA is gained when a student earns 80 or more credits, 60 of which must be at the level of the certificate. These credits are achieved by successfully completing activities, which assess specific achievement standards or unit standards.

All courses at Year 11, 12 and 13 will enable credits to be earned. There are three levels of achievement that can be gained: achieved, achieved with merit, and achieved with excellence. In order to gain an NCEA qualification at all you must gain a minimum of 8 credits in Literacy and 8 credits in Numeracy at Level 1.

Some achievement standards will be assessed externally which means that someone outside the school will make judgements about the student work. For most subjects this will involve an exam at the end of the year. Where the assessment is to be internal, the classroom teacher will administer and mark the activity against nationally moderated guidelines.

HOW TO CHOOSE YOUR SUBJECTS

'Times have changed! Employment options are different.'

To be more professional in industry, employers, businesses and organisations now invest in skill training. Four or five years of secondary school are NOW A REQUIREMENT for positions in the workforce. Students need to realise that learning does not stop when they leave school as the expectations of today's job market involve continued learning and upskilling.

'We spend a long time working!'

It is extremely important that students consider their career goals when choosing their subjects for next year. Teacher training, University study and Polytechnic courses all have entry requirements. Students need to know these requirements before they select their subjects.

ABILITY + INTEREST + CAREER REQUIREMENT = SUBJECT CHOICE

This means research your career choice to find out what subjects and grade levels are required to be studied at school. There is nothing worse than finding out in Year 13 that you cannot pursue your career pathway because you did not take the right subjects earlier.

There are no compulsory subjects at Year 12, although Mathematics and English are highly recommended, especially those students who will be enrolling in tertiary education.

At Year 13:

- **Students can choose either five options and one study class or six options.**
- **Students can only take both Technology Wood and Technology Metal with the express permission from the Head of Department.**
- **Students can enrol in either 13PED or 12ALP.**
- **Correspondence is only available for subjects not offered at Gore High School.**
- **Students wanting to take 13AGR should do this through Distance Learning.**

Alternative options for individual courses are available in Years 12 and 13. e.g. Alternative English, Mathematics with Application and Alternative Science. Credits from achievement in these courses are frequently requirements for Polytechnic entry. These courses can include both unit and achievement standards.

NB: To achieve University Entrance, students must have 8 Level 2 English credits and 14 Level 1 or above Mathematics credits as well as achieving NCEA Level 3 in three approved subjects with a total of no less than 14 credits in each subject.

If you are not sure what subjects are required make sure you seek career advice from Career Pathways. Information is available in Career Pathways on career databases and KiwiCareers – www.kiwicareers.govt.nz. There you will find every imaginable career training course in New Zealand plus access to information on 700 jobs. The Careers Advisers (Mrs McDonald and Mrs Stewart) are happy to give advice to any student and their parents. Seek this information and look ahead.

YEAR 13 SUBJECTS

ACCOUNTING - 13ACC

Course Length: One year

Cost: Nil

Entry Requirements: Must have completed a full year at Level 2 and gained at least 12 credits.

Course Outline/Assessment:

Achievement Standards

No.	Description	External/ Internal	Credits
90500 (3.1)	Describe and apply the conceptual basis of accounting in context for business entities	E	4
90501 (3.2)	Process financial information for partnerships and/or companies	E	3
90502 (3.3)	Process financial information for a manufacturing job-cost subsystem	E	3
90503 (3.4)	Report financial statements for partnerships and/or companies	E	6
90504 (3.5)	Prepare a report which analyses and interprets a company's financial report for external uses	I	5
90505 (3.6)	Explain and prepare information for management decision making	E	3

Internal Credits = 5

External Credits = 19

Total Credits = 24

Where does it lead? Advanced professional/academic University programmes.

BIOLOGY - 13BIO

Course Length: One year

Cost: \$20.00 workbook

Entry Requirements: Entrance to Year 13 Biology is conditional on a suitable academic achievement at Level 2. This should include achievement in Biology Level 2 of 2.1, 2.3 and 2.8 and 15 credits in Level 2 English. Entry of students who do not meet these criteria will be at the discretion of the HOD Science.

Course Outline:

- Plant responses and animal behaviour:** orientation responses; timing responses; inter-specific relationships; intra-specific relations.
- Gene expression:** the role of DNA in gene expression, gene-gene interactions, gene-environment interactions, mutation, the control of metabolic pathways and the control of gene expression.
- Patterns of evolution:** speciation; ways in which speciation occurs; reproductive isolating mechanisms that contribute to speciation; convergent, parallel and divergent evolution, punctuated equilibrium.
- Biotechnology:** Techniques will be selected from: PCR, ligation, use of restriction enzymes, gel electrophoresis, gene sequencing and tissue culture. Applications will be selected from gene cloning, Transgenesis, DNA profiling, and genome analysis.
- Human biological and cultural evolution:** trends in hominid biological evolution; trends in hominid cultural evolution. (Biological and cultural) and scientific evidence.

Skills: Designing experiments, gather information and record observations, analysis of evidence, determining of validity of arguments, researching issues, resolving conflict of viewpoints.

Assessment:

Achievement Standards

No.	Description	External/ Internal	Credits
3.2	Research a biological technique to meet human need or demand	I	4
3.3	Describe concepts and processes relating to gene expression	E	4
8931	Describe gene expression	I	4
3.4	Describe plant responses and animal behaviour in relation to biotic and abiotic environmental factors	E	4
3.5	Describe patterns of evolution	E	2
3.6	Describe applications of biological techniques	I	3
3.7	Describe trends in human biological and cultural evolution using current scientific evidence	E	3

Internal Credits - 11

External Credits - 13

Total = 24

Where does it lead? University and Polytechnic Biology courses, useful for many jobs such as Nursing, Science Technology, Occupational Therapy, Veterinary Science, Health Science, Medical Science, Horticulture and Agriculture Fields.

CHEMISTRY - 13CHE**Course Length:** One year**Cost:** Approximately \$20.00 (includes write-on notes and practical Workbook)

Entry Requirements: Students should have achieved at least 16 credits in Level 2 Chemistry, including 12 external credits. Entry of students who do not meet these criteria will be at the discretion of the HOD Science.

Course Outline: The course follows on from Level 2 Chemistry. It incorporates the Chemistry Achievement Objectives of the "Chemistry in the New Zealand Curriculum".

The content areas include: Organic chemistry, oxidation and reduction, thermo chemistry and aqueous systems.

Students are extended through the introduction of new chemical concepts. Practical work is an integral part of the course.

Assessment:

NCEA Level 3

No.	Description	External/ Internal	Credits
3.2	Determine the concentration of an oxidant or reductant by titration	I	2
3.3	Describe oxidation-reduction processes	E	3
3.4	Describe properties of particles and thermo chemical principles	E	5
3.5	Describe aspects of organic chemistry	E	5
3.7	Describe properties of aqueous systems	E	5

Internal Credits = 2

External Credits = 18

Total Credits = 20

Where does it lead? University and Polytechnic Chemistry and Science courses. May lead into other areas of study including: agricultural science, veterinary science, health science, physical education and engineering qualifications.

CLASSICAL STUDIES – 13CLS

Course Length: One year

Entry Requirements: At least Achieved in English NCEA Level 2 in 2.3 or 2.4, and 2.8.

Course Outline:

No.	Description	External/ Internal	Credits
3.1	Examine and analyse written classical sources in translation	E	6
3.2	Examine and explain a work of classical art in its social/historical and artistic context	E	6
3.3	Discuss in essay format an aspect of the classical world	E	6
3.4	Research an area of Classical Studies	I	6

Internal Credits = 6

External Credits = 18

Total Credits = 24

The sources used will be:

3.1 Aristophanes' comedies, Wasps and Frogs.

3.2 Greek Vase Painting.

3.3 Plato's The Last Days of Socrates.

3.4 Art and Architecture of the Roman Empire.

Assessment: Topics for external examinations will be tested on similar lines to the external examinations. For 3.4, a research assignment is done in class time and for homework.

Where does it lead? University, Archaeology, Art History, Teaching, Library work, Museum work, Career in Art, Theatre. The opportunities are endless for someone trained in the thinking processes required for Classical Studies.

COMPUTER STUDIES – 13COM

Course Length: One year

Cost: \$60 to cover printing costs

Entry Requirements: None

Course Outline: Year 13: National Certificate in Computing Level 3

This course aims to:

- Provide core of intermediate level computing competencies with flexibility for industry environment.
- Enhance readiness for further study in computing and related fields.
- Provide a qualification for initial employment in computing.

Course Requirements:

We are working within the New Zealand Qualifications Authority Framework system. Credits gained will count towards the National Certificate in Computing, Level 3. To gain a certificate, you must complete 52 credits (compulsory credits 12 as mentioned below, minimum of 20 credits of Level 3 from the list below with the inclusion of US 112 and a minimum of 20 credits at Level 3 or above from anywhere on the NQF).

Compulsory Units: 12 Credits (Unit Standard 2780 and Unit Standard 2781 if not gained previously)

No.	Description	Credits
112	Produce information using word processing functions. (Compulsory)	5
2785	Create a computer spreadsheet to provide a solution for organisation use.	5
2787	Produce a computer flat file database to provide solutions for organisation use.	5
2789	Produce desktop published documents for organisation use.	5
5940	Produce a presentation using a desktop presentation computer application.	5
5950	Investigate the use of computer technology in an organization.	6
18737	Create a website for organisation use.	5

Assessment of these Unit Standards is competency based. To gain a credit you must pass the whole Unit Standard, meeting all criteria. You need to be motivated and be able to work individually and independently.

CONNECTION COURSES 2008

Year 12 and 13 students may have the opportunity to undertake pre-tertiary courses in 2007. There are two main options available via Distance Learning or through the Gateway programme and Taster Courses

Only students who meet the required criteria will be eligible.

DISTANCE LEARNING

As well as the four courses listed below there may be other courses available by Distance Learning from other providers (e.g. Universities, Open Polytechnic etc) throughout New Zealand. Please see the Careers Department to see if they are available, or if you have any queries. Students will have to contribute to the cost of these courses, as well as having to pay a \$50.00 bond, which will be refunded at the successful completion of the course.

Students must be **motivated to work independently** and be able **to meet deadlines**.

If you meet the admission criteria the following courses may be available:

Telford Rural Polytechnic

These units will provide students with the opportunity of studying towards certificates in **Agriculture, Equine, Forestry,** and **Bee keeping**

Southern Institute of Technology (SIT2LRN) via Blackboard Computing Programme. Sports training and development, Environmental studies, Horticulture, Landscape Design and Computer Graphics.

If you are interested in this programme, please write 'Distance learning' on your option sheet.

GATEWAY

What is it?

This programme gives some students the opportunity to gain qualifications in a career they are motivated to pursue for the future. It is structured workplace learning, which involves linking with learning at school.

- The learning is designed, planned and monitored
- Workplace learning is assessed and gains NCEA credits

Possible areas of learning

- | | | | |
|---------------|---------------|--------------|-----------------|
| • Retail | Horticulture | Engineering | Equine |
| • Agriculture | Automotive | Building | Turf Management |
| • Hospitality | Joinery | Hairdressing | |
| • Tourism | Boat building | Butchery | |

This would be available as a subject as part of your course structure and will involve half to one day a week in the workplace.

If you are interested in participating in this program please write "**Gateway**" on your option sheet as a subject and you will need to complete a separate Gateway application form, available from student reception (green form) Please return form to student reception.

This course will depend on expressions of interest and Ministry of Education funding.

All interested students will be required for an interview to assess suitability.

Out of School Taster Courses

(Partially or fully funded by STAR)

The following courses **may** be available next year, some possibly during term time. They will be advertised throughout the school year on the daily notices, and information and registration will be with Mrs Delahunt in the Gateway office (B10)

- Beyond the Camera (Television and film; in front of, and behind the camera).
- Hospitality Courses (Food and beverage – restaurant, café).
- Broadcasting (Aoraki Polytechnic).
- Graphics and Design (Computer based).
- Beauty Therapy.
- Hairdressing.
- Personal Training.
- Sports Performance Coaching and Management.
- Outdoor Pursuits.
- Automotive.
- Engineering.
- Joinery.

DESIGN TECHNOLOGY FABRIC – 13DTF

Course Length: One year

Cost: \$30.00 plus materials

Entry Requirements: Previous experience would be an advantage but not essential

Course Outline:

This course contributes 18-24 credits toward Level 3 NCEA. Assessment units are all internal standards. Students have the opportunity to select their own course of study with a minimum of 18 credits and maximum of 24 depending on student workload and previous experience. The units offered ensure new skills are experienced and developed in both the design and practical areas with the achievement standards focussing on Level 8 of the technology curriculum which address the requirements of technological practice. Unit standards provide a more practical approach to the subject with a variety of outcomes able to be completed. \$10.00 of the fee covers a student workbook.

There is also an opportunity for students to enter many of the Fashion Design Awards that are available to them – NZ Secondary Design Awards, Hokonui Fashion awards and the local Southland Secondary School HETTANZ Awards. This is strongly encouraged at this level.

Assessment: Examples of possible unit standards

No.	Description	Internal	Credits
6699	Prepare for and construct a garment for a formal occasion	I	6
6700	Prepare for and construct a textile item for a specific purpose	I	6
6701	Prepare for and construct a garment using special fabric	I	6
6704	Identify costume requirements for a theatrical production and construct a costume	I	6
16840	Prepare and produce fashion drawings for a portfolio	I	5

Total Internal Credits = 29

Where does it lead? Fashion and design at university or polytechnic. Interior design at university or polytechnic.

DRAMA – 13 DRA

Entry Requirements: Students must have completed Year 12 Drama. Entry will be subject to an interview. The assessment for this course is structured to enable students to work at their own level. All students will be assessed on a combination of the following internally assessed standards.

Cost: Costs to see visiting artists which may involve a small amount of travel to see at least one professional show.

Course outline:

The course requires both performance and written work, and will focus on a reflective model of learning and improving technique.

No.	Description	External/ Internal	Assessment method	Credits
90608	Use drama techniques	I	Performance/ portfolio	5
90609	Use elements and conventions to devise, structure and perform a drama	I	Drama performance/ portfolio	5
906011	Research, explore and develop technical role	I		6
	T.B.C	E	Written examination	T.B.C

Total credits offered through the year will be equal to 18

Where does it lead?

To further study in the Performing Arts at tertiary level (as well as University) to a possible career in the Performing Arts industry.

ECONOMICS - 13ECO

Course Length: One year

Cost: Approximately \$20.00 Workbook

Entry Requirements: Fourteen credits or better in NCEA Level 2 Economics or fourteen credits or better in NCEA Level 2 Mathematics and English.

Course Outline: The course covers three main topics.

1. Resource Allocation via the Market System - a look at how the market system operates, decisions of producers and their consequences.
2. Resource Allocation via the Public Sector - a look at the government's role in allocating resources, e.g. how it uses taxes, subsidies, regulations and the consequences of government decisions.
3. A Look at the Working of the Economy as a Whole e.g. money supply, gross domestic product, government surplus/deficits, the balance of payments accounts.

The course uses New Zealand situations as a basis for study of Economics.

Assessment

No.	Description	External/ Internal	Credits
3.1	Understand marginal analysis and the behaviour of firms	E	5
3.2	Describe and illustrate the market and allocative efficiency	E	4
3.3	Describe market failure and government interventions to correct for market failure.	E	4
3.4	Describe aggregate economic activity	E	6
3.5	Carry out an Economic Investigation	I	5

Internal Credits = 5

External Credits = 19

Total Credits = 24

Where does it lead? A wide range of careers - economist, politics, business management. Many degrees incorporate economics based papers. Gives a good background to all people in the New Zealand economy.

ENGLISH - 13ENG

Course Length: One year

Cost: \$20.00 Revision booklet (optional)

Entry Requirements:

- Achieving at least 12 Level 2 credits, including passing TWO Level 2 externally assessed standards.
- Achieving at least six credits on internally assessed tasks, and two externally assessed Achievement Standards at Level Two.

Course outline:

Students will develop their skills in literary criticism and analysis of a range of texts, as well as improving writing skills for specific purposes. Skills will be taught through a range of texts including novel, short stories, poetry, drama, and film. Students will also explore the way writers present a theme through a range of texts.

Standard	Title	External/ Internal	Credits
90720	Produce writing in a specified style (Travel writing)	I	4
90726	Conduct Research and present conclusions in writing	I	4
90725	Conduct a seminar	I	4
90721	Respond to written text	E	3
90722	Respond critically to Shakespearean drama	E	3
90723	Respond to visual text	E	3
90724	Respond to unfamiliar texts	E	3

Internally Credits =12

Externally Credits =12

Total Level Three credits = 24

Where does it lead? To university and/or a wide range of careers including Teaching, Journalism, Law, Medicine and Business.

FRENCH – 13FRE

Course Length: One year

Cost: Nil

Entry Requirements: A satisfactory performance in NCEA Level 2.

Course Outline:

The Year 13 course seeks to enable students to become more independent in thinking, writing, reading and speaking the French language. The topics will be chosen from the following: health, the environment, a film or novel study, the world of the future, as well as other possibilities not studied in Year 12.

Assessment:

No.	Description	External/ Internal	Credits
3.1	Listen to and understand complex spoken French in less familiar contexts	E	6
3.2	Give a prepared speech in French, using complex language, in a formal situation	I	3
3.3	Engage in an extended conversation in French using complex language in less familiar contexts	I	3
3.4	Read and understand written French containing complex language in less familiar contexts	E	6
3.5	Write text in French using complex language on a less familiar topic	E	3
3.6	Produce crafted writing in French using complex language, with the support of resources	I	3

Internal Credits - 9

External Credits - 15

Total = 24

Where does it lead? To university study (languages, marketing, linguistics etc).

GEOGRAPHY - 13GEO

Course Length: One year

Cost: \$160.00 (Queenstown field trip - 3 days, Waimea Plain field trip - 1 day plus workbook for Tourism development)

Entry Requirements: Strong reading and writing skills are required. Year 11 and Year 12 Geography is an advantage. HOD approval required.

Course Outline/Assessment:

No.	Description	External/ Internal	Credits
3.1	Analyse a geographic environment focusing upon the interacting processes	E	4
3.2	Analyse a cultural process	E	4

3.3	Analyse the role of geography in planning and decision making	I	4
3.4	Select and apply skills and ideas in a geographic context	E	4
3.5	Carry out geographic research with consultation	I	3
3.6	Analyse a contemporary geographic issue	I	3
3.7	Analyse a global study	I	3

Internal Credits =12

External Credits =12

Total Credits= 24

Specific Topics

3.1 Waimea Plain.

3.2 Tourist development – Queenstown and Bali.

3.4 Geographic Skills

3.5 “Playground Patterns”.

3.6 Development verses the Environment.

3.7 Earthquakes and Plate Tectonics.

Where does it lead? BA or BSc degrees (university), Resource Management, Tourism, Town Planning, Park Ranger, Meteorological Studies, Landscaping and Hydrology.

GRAPHICS - 13GRA

Course Length: One year

Cost: \$10.00

Entry Requirements: New entrants to seek HOD approval

Course Outline: Working at a high level, students work through at least two design briefs, which allow them to develop solutions based on their individual skills, interests and knowledge. The course also enables them to put together a folio of work, which can be presented to prospective courses or employers. Design portfolios are submitted for evidence of externals, as there is no examination. This course uses a personalised learning approach where the students develop their own plans and time frames.

Examples of Possible Achievement Standards

No.	Description	External/ Internal	Credits
3.1	Develop design solutions to a given brief using specialist graphics knowledge in a selected area	E	5
3.3	Develop and present a solution to a negotiated architectural or environmental design brief	I	5
3.4	Develop and present a solution to a negotiated engineering or technological design brief	I	5
3.5	Develop and present a solution to a negotiated media or technical illustration design brief	I	5
7493	Develop a design specification, and produce and implement an investigation plan.	I	4
7521	Produce 2D or 3D models for design and presentation	I	4
7516	Produce rendered design graphics for presentation.	I	5

Internal Credits =15

External Credits = 5

Unit Standards = 13 Total Credits = 33

Assessment: There is no final examination.

Where does it lead? Polytechnic and university courses related to design and graphics. Related occupations.

HISTORY - 13HIS

Course Length: One year

Cost: Nil

Entry Requirements: Good reading and writing skills. It is not essential to have done History before.

Course Outline:

1. A broad survey of New Zealand in the 19th Century (external credits).
2. Research. Internal credits.

Assessment:

No.	Description	External/ Internal	Credits
3.1	Plan and carry out independent historical research	I	4
3.2	Communicate historical ideas and understandings	I	5
3.3	Analyse and evaluate evidence in historical sources	E	5
3.4	Examine a significant decision made by people in history, in an essay	E	5
3.5	Examine a significant issue in the context of change, in an essay	E	5

Internal Credits = 9

External Credits = 15

Total Credits = 24

Where does it lead? To study of history at University. To study of other University subjects, e.g. Law, Political Studies, Anthropology. Links with many others. To careers in Foreign Affairs, Journalism, Commerce, Law, Tourism, Libraries, Teaching, Politics, etc.

HOSPITALITY AND SERVICE INDUSTRY - 13HSI

Course Length: One year

Entry Requirements: None, although Year 12HSI would be advantage

Cost: \$110.00 to cover all food purchases and student assessments. Each accredited unit is at the cost of \$5.00 per unit (included in above cost)

Course Outline: This course has been designed for those students future employment needs in mind. Both industry and NZQA Unit Standards are offered to ensure a balanced programme is delivered, both extending the students knowledge in preparation for working in the Food Industry. There is a balance of both written and practical assessment opportunities. The course consists of 4 units at Level 3 worth 17 credits and a further 2 units at Level 2 worth 6 credits. These 2 units are deemed essential to students learning in this area.

Assessment:

No.	Description	External/ Internal	Credits
167	Practice food safety methods in a food business	I	4
6630	Demonstrate knowledge of food safety	I	5
15627	Demonstrate creativity in meal preparation and presentation	I	6
17284	Demonstrate knowledge of coffee heritage, production and culture	I	2
17285	Demonstrate knowledge of espresso coffee equipment and recipes	I	2
6648	Prepare, plan and serve food for a special occasion	I	4
9681	Contribute within a group/team which has an objective/s	I	3

Level 3 credits = 20

Level 2 credits = 6

Total = 26

Where does it lead? Food industry, Chef, Hotel hospitality, Nanny, Life skills, and Café assistant.

MATHEMATICS (CALCULUS) – 13MAC

Course Length: One year

Cost: Workbook \$25.00

Entry Requirements: Good performance in Level 2 Mathematics Achievement Standards 2.1, 2.2, 2.3 and 2.9 as well as HOD approval.

Course Outline: Course material based on level 8 of the Mathematics in New Zealand Curriculum statement. Major emphasis: algebra, calculus, graphs, and trigonometry.

Calculators: Access to a graphical calculator is essential to this course. (Cost approximately \$100.00)

Assessment: Assessment is via the Level 3 achievement standards outlined below.

Level	No.	Description	External/ Internal	Credits
3	3.1	Find and use derivatives to solve problems	E	6
3	3.2	Find and use integrals and numerical methods to solve problems	E	5
3	3.3	Model situations using differential equations	I	2
3	3.4	Use complex and real numbers to solve equations	E	4
3	3.5	Describe conic sections	E	3
3	3.6	Use trigonometric functions to model situations and solve equations	I	4

Internal Credits = 6

External credits = 18

Total = 24

Where does it lead? University: Mathematics, Applied Sciences, Engineering, and Economics

MATHEMATICS (STATISTICS AND MODELLING) - 13MAS

Course Length: One year

Cost: Workbook \$25.00

Entry Requirements: Good performance in Level 2 Mathematics Achievement Standards 2.1, 2.2, 2.5 and 2.6 as well as HOD approval.

Course Outline: Course material based on level 8 of the Mathematics in New Zealand Curriculum statement. Major emphasis: probability, statistical methods, mathematical modelling, graphing.

Calculators: Access to a graphical calculator is essential to this course. (Cost approximately \$100.00)

Assessment: Assessment is via the Level 3 achievement standards as outlined below.

Level	No.	Description	External/ Internal	Credits
3	90641	Determine the trend for time series data	I	3
3	90642	Calculate confidence intervals for population parameters	E	3
3	90643	Solve straightforward problems with probability	E	3
3	90644	Solve equations	E	3
3	90645	Select and analyse continuous bivariate data	I	5
3	90646	Use probability distribution models to solve straightforward problems	E	3
3	90647	Use a mathematical model involving curve fitting to solve a problem	I	4

Internal Credits = 12

External Credits = 12

Total Credits = 24

Where does it lead? At University: Social and natural Sciences, Computing, Advanced Maths/Statistical courses.

PHYSICAL EDUCATION - 13PED

Course Length: One year

Cost: \$200.00 for swimming

Entry Requirements: Successful completion of Year 12 Physical Education. Also students must have shown commitment to study at Level 2 PE.

Course Outline:

This programme is designed to prepare students for further education in the field of Physical Education and Recreation at a tertiary level.

Students need to:

- Plan and experience a physical programme. Review this process. An outdoor experience is possible depending on student needs.
- Complete an in-depth study of swimming or volleyball. The in-depth study of this sport will be to analyse the biomechanics, motor skill learning and acquisition and physiology required to competently participate in these sports.
- Develop and carry out a plan to get the school more active.

Modifications to the course outline may result from NCEA changes or as a result of student needs.

Achievement standards

No.	Description	External /Internal	Credits
3.1	Apply knowledge to plan a physical activity programme	I	3
3.2	Review a physical activity programme and its influence on personal hauora/well being	I	3
3.3	Appraise performance and review a programme for performance improvement, for self, or others	I	5
3.4	Demonstrate performance in a physical activity against nationally developed performance standards.	I	4
3.6	Critically examine physical activity and take action to influence the participation of others	I	5

Total Internal Credits = 20

Total Credits = 20

Assessment: The students will be assessed on their theoretical knowledge, preparation of assessment tasks and their practical participation in swimming, which will be videoed for analysis and for national moderation.

Where does it lead? Tertiary study in a Physical Education, Sport & Recreation or associated sports field.

PHYSICS - 13PHY

Course Length: One year

Cost: Approximately \$25.00 for Physics course manual, \$5.00 for Graph paper and \$18.00 for Physics Software

Entry Requirements: Entry requirements to the course are a minimum of 16 credits in Physics at NCEA Level 2 and/or a satisfactory interview with the teacher in charge.

Course Outline: Physics at Year 13 opens doors to a huge variety of courses, including the health sciences, engineering, geophysics, energy management, in fact any field that involves the ability to think analytically and solve problems. The course outline is shown below and will offer a total of 24 credits at NCEA Level 3. Students have plenty of opportunities to work with excellent practical resources in a hard working, friendly and supportive environment.

Assessment:

No.	Description	External /Internal	Credits
3.1	Carry out an investigation with guidance to recognise a non-linear trend, relationship or pattern	I	5
3.3	Demonstrate understanding of wave systems	E	4
3.4	Demonstrate understanding of mechanical systems	E	6
3.5	Demonstrate understanding of atoms, photons and nuclei (This topic can be assessed by an internally assessed Unit Standard).	E	3
3.6	Demonstrate understanding of electrical systems	E	6

Internal Credits = 5

External Credits = 19

Total Credits = 24

Where does it lead? Physics at NCEA Level 3 is a highly sought after qualification which leads to a huge variety of occupations such as engineering, medicine, scientific research, teaching, design and computers. The skills that Level 3 Physics develops such as problem solving, initiative, teamwork and communication are very desirable and transferable to many fields of employment.

TECHNOLOGY METAL – 13TEM

Course Length: Full Year

Cost: \$85.00 initially dependent on materials used.

Entry Requirements: New entrants to get approval from HOD

Course Outline:

It involves students researching into relevant issues and existing designs, then designing/ making items for those issues. Students need to be able to work to a high craft level with the main material being metal. A major project for the year requires students to produce work for a client.

Type of Assessment Standards:

A mixture of NZQA achievement standards and unit standards are incorporated into the course. The course may change to enhance student learning.

Examples of Possible Standards:

Level/No.	Description	External/ Internal	Credits
7495 Generic Design Level 3	Apply design development and evaluation techniques	I	4
Technology 3.2 Level 3	Implement a one-off solution to address a client Achievement Standard	I	8
Materials Technology 3.7 Level 3	Demonstrate advanced skills in materials technology	I	4
7541 Process Technology Level 3	Research design problems and present conclusions in process technology	I	4
US 7531 Technology	Select, apply and test joining processes	I	4

Total Internal Credits = 24

Where does it lead? Engineering Industry and Technology/Design courses at Polytechnics or University.

TECHNOLOGY WOOD – 13TEW

Course Length: Full Year

Cost \$85.00 initially dependent on materials used.

Entry Requirements: New entrants to get approval from HOD

Course Outline:

This course requires students to work independently on design problems. It may involve students researching into relevant issues and existing designs, then designing/ making items for those issues. Students aim to work to a high craft level with the main material being wood. The major project for the year relates to designing and making for a client. There are no examinations, as assessments are completed throughout the year.

Type of Assessment Standards:

A mixture of NZQA Achievement Standards and Unit Standards. The course may change to enhance student learning.

Examples of Possible Standards:

Level/No.	Description	External/ Internal	Credits
7495 Generic Design Level 3	Apply design development and evaluation techniques	I	4
Technology 3.2 Level 3	Implement a one-off solution to address a client Achievement Standard	I	8
Materials Technology 3.7 Level 3	Demonstrate advanced skills in materials technology	I	4
7541 Process Technology Level 3	Research design problems and present conclusions in process technology	I	4
US 7531 Technology	Select, apply and test joining processes	I	4

Total Internal Credits = 24

Where does it lead? Construction Industry and Technology/Design courses at Polytechnics or University.

TOURISM – 13TOU

Course Length: One year **Cost:** \$200.00 + \$15.00 for the National Certificate application fee.

Entry Requirements: None, although students who wish to achieve the full National Certificate in Tourism and Travel **must** have successfully completed the Year 12 tourism course.

Course Outline:

Tourism is now the fastest growing industry in the World, growing at an average annual rate of 4.4%. Over 200 million people (nearly one in ten of the World's workers) now work in the tourism industry, helping to meet the needs of more than 900 million tourists who travel each year. The Asia-Pacific Region, (of which New Zealand is a part), is the fastest growing tourist region in the World today. This course will help you to develop the knowledge and skills that twenty-first century employers in the industry will need from their future employees.

The Year 13 Tourism course has been designed to build upon the solid foundations laid in the Year 12 Tourism course. Those students who successfully completed the course in Year 12 and who choose Tourism again in Year 13 will be able to achieve the full **National Certificate in Tourism and Travel (Introductory Skills) Level Two**.

Students who achieve the full National Certificate are able to demonstrate:

- Skills in written and verbal communication.
- Knowledge of computer applications and an ability to perform simple calculations.
- An understanding of work roles within the industry and their related personal requirements.
- Knowledge of a variety of tourist destinations both within and beyond New Zealand.
- An awareness of the history of tourism and knowledge of its impact on 'host' communities.

However, the course is also suitable for those students who did **not** study Tourism in Year 12, but who have a keen interest in this area of study, who plan to work in the tourism industry after leaving school, or who simply wish to learn more about the world around them.

Assessment:

All assessment in the tourism course takes place through internally assessed *unit standards*. Although the pass rate for each standard is 100%, students are allowed up to three attempts to complete each standard to the required level. The following units will be offered in 2009.

Unit Standard	Title	Level	Credit
9717	Demonstrate knowledge of the history of tourism	2	4
18228	Provide information about specified regions in New Zealand as tourist destinations	3	6
18211	Demonstrate knowledge of Australia as a tourist destination	3	10
3727	Demonstrate knowledge of the Pacific Islands as a tourist destination	3	10
	Total Credits at Level 2		4
	Total Credits at Level 3		26

Fieldwork:

In order to support students' learning within the classroom, students will be expected to take part in at least at least one field trip during the year. Although exact details are still to be finalised, it is likely that one of those trips will be a two day visit to Stewart Island. Students who are new to the course in Year 13 may also wish to join with the Year 12 tourism students on a two day visit to Dunedin. Both visits are likely to cost in the region of \$150 and the cost of **one** visit is included within the above course fee.

Where does it lead?

Completion of the full National Certificate will gives students a real advantage when it comes to applying for jobs in aviation, in tourism and travel, or in museums. The full Certificate also prepares students for the National Certificate in Tourism and Travel (Core Skills) (Level 3) which can lead to further qualifications in Travel or in Tourism (Guiding). This qualification can be obtained through a Modern Apprenticeship or through a specialised Industry Training College. Level 3 credits may also be used for university entrance.

VISUAL ARTS – 13ART

Course Length: One year

Cost: \$30.00 plus some additional costs (folio boards, colour printing, Art pack if required).

Entry Requirements: Completion of Year 12 Art

NCEA Level 2. A minimum of achieved in 2.3 external modules.

Course Outline: Students may take up to the maximum of 24 credits. This course involves researching and analysing approaches within established painting practice. Students investigate ideas and methods relating to art through drawing practices and painting. Experimental approach to drawing processes, procedures, materials and techniques appropriate to ideas will be thoroughly supported. The external component is made of 3 A0 sized boards showing the production of a body of work within painting.

Assessment:

No.	Description	External/ Internal	Credits
3.1 90659	Research and analyse approaches within established painting practice.	I	4
3.2 90663	Investigate and use ideas and methods in the context of a drawing study in painting.	I	6
3.3 90667	Produce original work within painting to show extensive knowledge of art making methods and ideas.	E	14

Internal Credits = 6

External Credits = 14

Total Credits = 30

Where does it lead? A university degree in Art or associated field. Polytechnic courses such as Fine Art, Interior Design, Fashion Design, Advertising, etc.

YOUTH AWARD SCHEME (YAS)

Year level:

10, 11, 12, and 13

Hours per week:

Full year. Course would be completed over 3 years.

Qualifications to be gained:

Achievement Certificates for work completed as we go.

Level 1 Certificate in Learning Support.

Level 2 Certificate in Mainstream Studies.

Open entry.

COURSE CONTENT

The course is provided by South Pacific Educational Courses Ltd. The course is approved by the New Zealand Qualifications Authority under the provisions of the Education Act 1989.

This course offers students supported learning in a variety of life skills, practical activities and challenges.

The course provides a framework for students who need support and guidance with their school work.

Students are offered a flexible student centred, activity-based, individualised programme.

Students, who complete the requirements in TRUMP, Headway, and Ready to Work modules, will achieve a NZQA LEVEL 1 Certificate in Learning Support.

Total credits available 40.

This course covers self management, relating to others, thinking, participating and contributing. Students will demonstrate personal growth, self management, self esteem, motivation and a sense of self worth.

Students who complete the requirements of the Shooting Stars, One Star, Two Star, Three Star modules will achieve a NZQA LEVEL 2 Certificate in Mainstream Studies.

Total credits available 72.

This course covers practical life skills, and practical task applications in the workplace. Students who complete the course will be able to think independently, relate to others, and use language to express themselves, manage self, participate and contribute.

Assessment and certification:

Completed portfolios will be verified externally with successful students being awarded Level Certificates.

Course Costs: All new students to course
Student Booklet/Activities for the year - \$40.00
Additional modules vary from \$8.00 to \$22.00