

YEAR 13 COURSE OF STUDY

A course of study in Year 13 consists of five subjects studied for five periods a week. These subjects may be studied at any level, from Year 9 to Year 13. Students should read the entry requirements of their proposed subjects carefully.

The full list of Year 13 Subjects is: (* Indicates approved university entrance subject.)

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|-------------------------------------|--------|---------------------------------------|--------|
| * Accounting | ACC301 | * French | FRE301 |
| * Art Design | ARD301 | * Geography: The Environment & People | GEO301 |
| * Art Painting | ARP301 | * Graphics | GRA301 |
| * Art Photography | ARF301 | * History | HIS301 |
| * Art Printmaking | ARK301 | * Horticultural Science | HSC301 |
| * Art Sculpture | ARL301 | Hospitality | HOS303 |
| * Biology | BIO301 | * Japanese | JPE301 |
| * Chemistry | CHE301 | * Māori – Te Reo Māori | MAO301 |
| * Chinese | CHI301 | Materials Technology (Combined) | MTC303 |
| * Classical Studies | CLS301 | * Mathematics with Calculus | MAC301 |
| * Computer Applications Technology | CAT303 | * Mathematics: Statistics & Modelling | MSM301 |
| * Computer & Information Technology | CIT302 | * Music | MUS301 |
| * Drama | DRA301 | Outdoor Recreation | ODR303 |
| * Economics | ECO301 | * Physical Education | PED301 |
| * Electronics & Software Design | ESD303 | * Physics | PHY301 |
| * English Achievement Standards | ENG301 | * Science | SCI301 |
| * English Intermediate | ENG302 | * Social Studies | SOS301 |
| * English Literacy | ENG303 | Sports Coaching & Leadership | SPC303 |
| * Film Study & Production | FSP301 | Tourism | TOU303 |

How does a student gain Level 3 NCEA qualification?

A student must gain 80 credits. 60 of these must be from Level 3. The other 20 credits can come from Level 2, even if they were used to gain a Level 2 qualification. A student can obtain NCEA Level 3 with Merit or Excellence endorsements. A Merit endorsement requires 50 Level 3 credits at Merit or Excellence. An Excellence endorsement requires 50 Level 3 credits at Excellence.

General information about assessment procedures will be available at the start of the year in the Assessment Booklet. Specific details of assessments in each subject will be given to students by subject teachers. Both Achievement Standards and Unit Standards offer credits and regardless of whether they are Achievement Standard credits or Unit Standard credits, they all count towards a student's NCEA Level 3 qualification.

UNIVERSITY ENTRANCE and SCHOLARSHIPS

- The University Entrance qualification is gained by obtaining:
 - A minimum of 42 credits at NCEA Level 3 (14 credits in each of two approved subjects, and a further 14 credits from no more than two additional domains or approved subjects).
 - A minimum of eight credits in NCEA Level 2 or higher in English or Te Reo Māori; four credits must be from reading based standards and four must be from writing based standards.
 - A minimum of 14 credits at NCEA Level 1 or higher in Mathematics or Pangarau.
- Students considering enrolling at The University of Auckland should check the additional requirements for many degree courses.
- International students need to check additional university entry requirements.
- Students need to focus on obtaining University Entrance in conjunction with Level 3 NCEA to best prepare themselves for University.

The content assessed for Scholarship will be the same as that covered for Level 3 Achievement Standards. It is expected that Scholarship candidates will have completed a full year of Level 3 studies at school. Assessment is standards based and all assessments will be external.

University Study

Very able students may study a range of courses at the University of Canterbury while remaining at Lincoln High School, and may be funded through the STAR programme.

Students must have met the University Entrance Literacy and Numeracy requirements. Some subjects require special entry permission. The closing date for all applications is 16 February in the year of the study.

ACCOUNTING – ACC301

Qualification: NCEA Level 3.
University Entrance approved subject.

Approximate Cost: \$35.00 (Workbook).

Entry Requirements: Students who have gained two of the standards offered in Level 2 Accounting gain automatic entry. Students with no background can be admitted at the HOD's discretion.

Course Outline:

Accounting

- AS90501 Process financial information for partnerships and companies.
- AS90502 Process financial information for a manufacturing job cost subsystem.
- AS90503 Prepare financial information for partnerships and companies.
- AS90504 Prepare a report that analyses and interprets a company's financial report for external users.
- AS90505 Explain and prepare information for management decision making.

The course looks at how the market system operates, why there is need for government involvement and how it works, and the economy as a whole. Students develop reasoning and analytical skills that will allow them to present and interpret economic data and arguments in a clear and coherent manner.

Achievement at Excellence and Merit levels can count as Stage 1 at some universities.

Where Does It Lead? Tertiary study in Accounting, and Business Management.

For Further Information See:
Miss K McGuinness.

ART DESIGN – ARD301

Qualifications: NCEA Level 3/Scholarship,
University Entrance approved subject.

Approximate Cost: \$35.00 for one art subject or \$50.00 for two art subjects, plus costs of personal materials (note this is dependent on individual student needs).

Entry Requirements: Achievement in all NCEA Level 2 Practical Art standards or Achievement in all NCEA Level 2 Design and Photo Standards (or at the discretion of the HOD). It is important to note that for those wishing to apply for entry to one or other of the university schools of Art (and other institutions) candidates will be required to submit work in **two** of the following areas of Practical Art:

- Design.
- Painting.
- Photography.
- Printmaking.
- Sculpture.

Note: only **two** NCEA Level 3 Art subjects may be taken in any one year due to workload issues, unless special recommendation is given by HOD.

Course Outline: Students will gain practical knowledge of a range of established forms of design, through a variety of work consisting of drawing notes, developed sequences of drawings, small works and design solutions and finished Artwork. Students will also learn about design ideas and the relationships between such ideas, methods, materials and processes. From this they will develop their own independent design practice.

NB Students who do not achieve the internal Achievement Standards in this subject are not eligible to enter the external Standard or folio.

Where Does It Lead? Entry into schools of Fine Art and other tertiary institutions. To a greater understanding of procedures and practices which underpin art and design. Careers in Design, Film, Architecture, Television, Animation, Industrial Design, Advertising, Studio Photography, publishing and promotion.

For Further Information See:
Mr S Eng, Mr H Knutson.

ART PAINTING – ARP301

Qualification: NCEA Level3/Scholarship,
University Entrance approved subject.

Approximate Cost: \$35.00 for one art subject or \$50.00 for two art subjects, plus costs of personal materials (note this is dependent on individual student needs).

Entry Requirements: Achievement in all NCEA Level 2 Practical Art standards or Achievement in all NCEA Level 2 Design and Photo Standards (or at the discretion of the HOD). It is important to note that for those wishing to apply for entry to one or other of the university schools of Art (and other institutions) candidates will be required to submit work in **two** of the following areas of Practical Art:

- Design.
- Painting.
- Photography.
- Printmaking.
- Sculpture.

Note: only **two** NCEA Level 3 Art subjects may be taken in any one year due to workload issues, unless special recommendation is given by HOD.

Course Outline: Students will gain practical knowledge of a range of established forms of painting, through a variety of work consisting of drawing notes, developed sequences of drawings, small works and finished paintings. Students will also learn about pictorial ideas and the relationships between such ideas, methods, materials and forms. From this they will develop their own independent Art practice.

NB Students who do not achieve the internal Achievement Standards in this subject are not eligible to enter the external Standard or folio.

Where Does It Lead? Entry into schools of Fine Art and other tertiary institutions. To a greater understanding of procedures and practices which underpin art and design. Careers in Design, Film, Architecture, Television, Animation, Industrial Design, Advertising, Studio Photography, publishing, promotion and marketing.

For Further Information See:
Mr S Eng.

ART PHOTOGRAPHY ARF301

Qualification: NCEA Level 3/Scholarship
University Entrance approved subject.

Approximate Cost: \$35.00 for one art subject or \$50.00 for two art subjects plus chemical fee of \$50.00 and an up-front prepay fee of \$200.00 towards materials. Total cost for the year can be up to \$400.00. Camera hire \$80.00 for the year if required.

Entry Requirements: Achievement in all NCEA Level 2 Practical Art standards or Achievement in all NCEA Level 2 Design and Photo Standards (or at the discretion of the HOD). It is important to note that for those wishing to apply for entry to one or other of the university schools of Art (and other institutions) candidates will be required to submit work in **two** of the following areas of Practical Art:

- Design.
- Painting.
- Photography.
- Printmaking.
- Sculpture.

Students and parents/caregivers should be aware that this course can involve considerable material costs.

Note: only **two** NCEA Level 3 Art subjects may be taken in any one year due to workload issues, unless special recommendation is given by HOD.

Course Outline: Students will gain knowledge of black and white photographic procedures including

photographing, film development and fine photographic printing. Students will be required to present a thematic study of subject matter and to show evidence, through photographs and drawings, of their understanding of photography as picture making.

NB Students who do not achieve the internal Achievement Standards in this subject are not eligible to enter the external Standard or folio.

Where Does It Lead? Entry into schools of Fine Art and other tertiary institutions. To a greater understanding of procedures and practices which underpin art and design, Careers in Design, Film, Architecture, Television, Animation, Industrial Design, Advertising, Studio Photography, publishing, promotion and marketing.

For Further Information See:
Mr S Eng, Ms K O'Neill.

ART PRINTMAKING ARK301

Qualification: NCEA Level 3/Scholarship,
University Entrance approved subject.

Approximate Cost: \$35.00 for one art subject or \$50.00 for two art subjects, plus costs of personal materials (note this is dependent on the students needs).

Entry Requirements: Achievement in all NCEA Level 2 Practical Art standards or Achievement in all NCEA Level 2 Design and Photo Standards (or at the discretion of the HOD). It is important to note that for those wishing to apply for entry to one or other of the university schools of Art (and other institutions) candidates will be required to submit work in **two** of the following areas of Practical Art:

- Design.
- Painting.
- Photography.
- Printmaking.
- Sculpture.

Note: only **two** NCEA Level 3 Art subjects may be taken in any one year due to workload issues, unless special recommendation is given by HOD.

Course Outline: Candidates will gain practical knowledge of a range of established form of printmaking through a variety of work consisting of drawing notes, developed sequences of drawings, proof prints and finished prints. Students will also learn about pictorial ideas and the relationships between such ideas, methods, materials and procedures. From this they will develop their own independent Art practice.

NB Students who do not achieve the internal Achievement Standards in this subject are not eligible to enter the external Standard or folio.

Where Does It Lead? Entry into schools of Fine Art and other tertiary institutions. To a greater understanding of procedures and practices which underpin art and design. Careers in Design, Film, Architecture, Television, Animation, Industrial Design, Advertising, Studio Photography, publishing, promotion and marketing.

For Further Information See:
Mr S Eng, Ms J Satterthwaite.

ART SCULPTURE – ARL301

Qualification: NCEA Level 3/Scholarship, University Entrance approved subject.

Approximate Cost: \$35.00 for one art subject or \$50.00 for two art subjects, plus cost of personal materials (note this is dependent upon student needs).

Entry Requirements: Achievement in all NCEA Level 2 Practical Art standards or Achievement in all NCEA Level 2 Design and Photo Standards (or at the discretion of the HOD). It is important to note that for those wishing to apply for entry to one or other of the university schools of Art (and some other institutions) candidates will be required to submit work in **two** of the following areas of Practical Art:

- Design.
- Painting.
- Photography.
- Printmaking.
- Sculpture.

Note: only **two** NCEA Level 3 Art subjects may be taken in any one year due to workload issues, unless special recommendation is given by HOD.

Course Outline: Candidates will gain practical knowledge of at least one established form of sculpture through a variety of work consisting of drawing notes, developed sequences of drawings, maquettes (models) and finished sculptural works. Students will also learn about sculptural ideas and relationships between such ideas, methods, materials and forms. From this they will develop their own independent Art practice.

NB Students who do not achieve the internal Achievement Standards in this subject are not eligible to enter the external Standard or folio.

Where Does It Lead? Entry into schools of Fine Art and other tertiary institutions. To a greater understanding of procedures and practices which

underpin art and design. Careers in Design, Film, Architecture, Television, Animation, Industrial Design, Advertising, Studio Photography, publishing, promotion and marketing.

For Further Information See:
Mr S Eng.

BIOLOGY – BIO301

Qualification: NCEA Level 3/Scholarship, University Entrance approved subject.

Approximate Cost: Field trip and visits \$15.00. Revision books etc \$25.00.

Entry Requirements: Automatic entry to this course requires achievement in all 201 Biology external achievement standards offered, with merit or excellence in at least one. OR merit or higher in 201 Science AS90772 (plants and animals) and achievement in at least four other 201 Science achievement standards. Students not meeting these criteria need to seek approval from the HOD.

Course Outline:

- Relationships between animals and plants and their environment including practical investigations into an aspect of the ecological niche of a plant and an animal.
- Molecular biology and genetics.
- An introduction to evolution including speciation.
- Human evolution and the scientific evidence.
- Description of biotechnological techniques.
- Research a contemporary biological issue.

Skills: Analysis of evidence, determining validity of arguments, researching issues, resolving conflict of viewpoints, decision-making about the future.

There are two internal achievement standards during the year, with four external assessments at the end of the year.

Where Does It Lead? University and Polytechnic Biology courses, useful for many jobs such as Nursing, Science Technology, Occupational Therapy, Veterinary Science, Medical Science and Horticulture/Agriculture fields.

For Further Information See:
Mr W Tolhoek.

CHEMISTRY – CHE301

Qualification: NCEA Level 3/Scholarship, University Entrance approved subject.

Approximate Cost: Laboratory manual \$20.00, course book \$20.00 and revision workbook \$20.00.

Entry Requirements: Automatic entry to this course requires achievement in all five 201 Chemistry achievement standards offered (including AS90308 Structure and Bonding), with merit or excellence in at least one. Students not meeting these criteria need to seek approval from the HOD.

Course Outline: Year 13 Chemistry has a high practical component as well as introducing new theoretical concepts and further developing the skills and knowledge gained in Year 12. Topics include:

- Particles & Thermo-chemical principles.
- Oxidation –Reduction reactions.
- Organic chemistry.
- Aqueous Systems.

This is a challenging but interesting course. Practical skills are stressed and one internally assessed practical is part of the course.

There are three internal achievement standard assessments during the year, with four external assessments at the end of the year.

Where Does It Lead? To Stage 1 university courses which may lead to science degrees and are part of the Intermediate for Engineering, Veterinary, Medical and Forestry schools. Chemistry is also required for most Biology based degrees. The course also leads on to Polytechnic where it may lead directly to Stage 2 or 3 courses. Any career with a laboratory basis. Desirable for Nursing, Radiography and Agriculture courses.

For Further Information See:
Mr P van Leeuwen.

CHINESE (Modern Standard) CHI301

Qualification: NCEA Level 3/Scholarship,
University Entrance approved subject.

Approximate Cost: None.

Entry Requirements: At least three Achievement Standards (one must be external) in NCEA Level 2 Chinese or by negotiation with the HOD.

Course Outline: The course builds on and extends the work covered in Year 12. Students will continue to develop their individual study skills to achieve a level of recognition of 600 characters. Students will aim to speak more confidently, initiate conversation and respond to more complex dialogue.

Cultural aspects will be integrated with language study. Practice will be in pairs and groups. Audio, videos, computers and visual aids are an integral part of the course.

Where Does It Lead? Courses at Universities and Polytechnics or it can be used to enhance opportunities for entry into employment in the fields of Business, Commerce, Tourism, Education, Banking, Telecommunication and Computing.

For Further Information See:
Mrs T Yee.

CLASSICAL STUDIES – CLS301

Qualification: NCEA Level 3/Scholarship,
University Entrance approved subject.

Approximate Cost: ESA Study Guide \$40.00. Other costs may include field trips, exhibitions, or guest speakers.

Entry Requirements: Acceptance into either English 301 or 302.

Course Outline: A multi-disciplinary subject that covers art, history, literature and philosophy of the Greek and Roman world. Students study three topics:

- Greek Vase Painting – Look at the lives of the Greeks through their favourite mode of art.
- Virgil’s “The Aeneid” – We travel with our hero Aeneas as he flees Troy to build a new home in Italy.
- Alexander the Great – We will follow Alexander the Great’s career as he tries to take over the world.

Students will also complete a piece of individual research on an area of the classical world.

Where Does It Lead: Tertiary studies and careers in fields as diverse as foreign affairs, trade and industry, archaeology, law, architecture, drama, museums and art galleries, journalism and teaching.

For Further Information See:
Mrs M Lindsay.

COMPUTER APPLICATIONS TECHNOLOGY - CAT303

Qualification: NCEA Level 3.
Approved subject for University Entrance.

(Credits will be drawn from Business Administration and Computing Domain. Credits may be used towards NCEA Level 3).

Approximate Cost: \$10.00 printing costs. Students must have their print account in credit at all times.

Entry Requirements: Open Entry.

Course Outline: This course focuses on developing a range of computing skills in a range of common software applications. Students who have not undertaken an Information Technology course prior to this or only completed a junior ICT class would find this course helpful.

The course includes opportunities to gain the following knowledge, understanding and skills:

- Develop design skills to produce a range of printed media e.g. posters, menus, brochures etc.
- Use researching and processing skills to produce a presentation.
- Consolidate word processing and text entry skills.
- Create a brief and other documentation e.g. an evaluation for project work.
- Introduction to multimedia concepts including drawing computer graphics and developing basic animation skills.

Note: Students who have well developed skills already in this area should enrol in the Computer & Information Technology class.

Where Does It Lead? A wide range of ICT skills are required in business today. Also many industries require a basic level of understanding of text entry, and design skills in desktop publishing and presentations.

For Further Information See:
Mrs B Clark.

COMPUTER & INFORMATION TECHNOLOGY - CIT302

Qualification: NCEA Level 3.
University Entrance approved subject.

Approximate Cost: \$20.00 printing costs. Students must have their print account in credit at all times.

Entry Requirements: Have completed more than one year in an ICT or CPG class or by negotiation with HOD. This course is not suitable for students who have limited computing skills.

Course Outline:

This course consolidates and expands on skills and knowledge gained in Information Technology or Computer Programming in earlier years. The focus is to enable students to further their Information Technology expertise and make informed decisions regarding the area of computing they are likely to meet in their educational, personal or working careers.

The course includes:

- Creating multimedia products using graphical interface programs and HTML coding e.g. websites for an organisation.

- Databases and their uses.
- Introduction to programming and game design.
- Project management skills – brief development, planning, outcome development and evaluation.
- Problem solving, teamwork and communication skills.
- Research and design skills.
- Understanding how technological developments expands human possibilities.

It is expected that students wanting to follow a career in Computer & Information Technologies will enrol in this course.

Where Does It Lead? Computer & Information Technology careers.

For Further Information See:
Mrs B Clark.

DRAMA – DRA301

Qualification: NCEA Level 3/Scholarship,
University Entrance approved subject.

Approximate cost: \$70.00 includes two evening performances at the Court Theatre, a course workbook, a field trip and workshops.

Entry Requirements: Minimum of 14 credits in Level 2 Drama.

Course Outline: Year 13 Drama is based on the Level 8 National Curriculum course. The course is of particular use to Year 13 students who are interested in Drama and who want to get academic recognition for the significant performances presented throughout the year. It builds on the aims and skills of the Year 12 course. Year 13 Drama requires a significant commitment to gaining understanding of theory and practice through research and independent study.

Students studying for the NCEA Drama Scholarship will be working toward using wide knowledge, experience and critical analysis of drama processes, texts and theories, to inform and justify challenging and creative drama works.

Assessment is based in NCEA Level 3 and NZQA Scholarship. Written records are essential in these assessments.

AS90608 - Interpret scripted text and integrate drama techniques in solo or paired performance (5 credits – internal).

AS90609 - Devise, script and perform drama for solo, duo or trio performance (5 credits – internal).

AS90611 - Research and carry out a performance or technical/production role in a significant production (6 credits – internal).

AS90612 - Analyse drama processes in a new context and reflect critically on drama performance (4 credits – external).

US16430 – Unit Standard (extension task). Learn, explain and use vocal techniques in a range of contexts, using scripts for specific audiences (4 credits – internal).

Where Does It Lead? There are a number of courses at Universities and Polytechnics as well as specialist courses for students interested in pursuing the Performing Arts. Employers and professional partners in today's working environment are keen to find people with strong communication and presentation skills who have a positive attitude and the ability to connect thinking and imagination to create works independently and as part of a team.

For Further Information See:

Mrs S McLean.

ECONOMICS – ECO301

Qualification: NCEA Level 3.
University Entrance approved subject.

Approximate Cost: \$35.00 (Workbook, NCEA revision guide and exercise books).

Entry Requirements: Students who have gained two of the standards offered in Level 1 or 2 Economics gain automatic entry. Students with no background can be admitted at the HOD's discretion. Can be picked up for the first time if students are prepared to put in extra effort.

Course Outline:

Economics

- AS90629 Marginal Analysis and the behaviour of firms.
- AS90630 Economic problem, allocative efficiency and market responses to change.
- AS90631 Market failure and government intervention.
- AS90632 Aggregate economic activity.
- AS90778 Carry out an economic analysis.

The course looks at how the market system operates, why there is need for government involvement and how it works, and the economy as a whole. Students develop reasoning and analytical skills that will allow them to present and interpret economic data and arguments in a clear and coherent manner.

Where Does It Lead? Year 13 Economics/Scholarship, tertiary study. Ideal background for those who wish to pursue tertiary courses in Accounting, Business Management, History, Political Science or Law.

For Further Information See:

Mr S Douce.

ELECTRONICS & SOFTWARE DESIGN – ESD303

Qualification: NCEA Level 3, National Certificate in Electronics Technology (Level 3), University Entrance approved subject.

Course will run subject to sufficient numbers of students enrolling.

Approximate Cost: \$30.00

Entry Requirements: Students who have gained credits in NCEA Level 2 Physics AS90257 or have gained credits in three Electronics Standards offered at Level 2 have automatic entry. Others will be considered by negotiation with the Teacher in Charge.

Course Outline: This course provides an introduction to micro-processor and robotic technologies. The design of electronic products controlled by micro-processors is one of the fastest growing technology areas and provides excellent job opportunities.

Students will discover how microprocessors work and learn how to program them, based on the PICAXE system. Extension into "C" programming is possible.

Students will design and build their own micro-processor controlled product and there is the opportunity to extend this into robotics control.

Students will work towards the National Certificate in Electronics Technology (Level 3) comprising:

- | | |
|----------------------------|---------|
| • Microprocessors | US19747 |
| • Diode BJT MOSFET | US19743 |
| • Digital and Analogue | US19744 |
| • Signals and Transmission | US19745 |
| • Reliability | US19746 |
| • Product Development | US9221 |

It is expected that students will take part in the Bright Sparks Mentoring Programme run by the ETITO and enter the Bright Sparks Competition.

Where Does It Lead? Polytechnic or university and excellent employment opportunities. Electronics is one of the fastest growing industries in New Zealand and Christchurch is the major centre.

Careers include Electronic Engineering, Electrical Contracting and Electronics technician apprenticeships. This qualification can provide preference for entry to some tertiary courses.

For Further Information See:

Mr L Yang.

ENGLISH ACHIEVEMENT STANDARDS – ENG301

Qualification: NCEA Level 3/Scholarship,
University Entrance approved subject.

Approximate Cost: Class materials \$5.00.

Entry Requirements: In general students from ENG201 or 202 can qualify. As a guideline students will require 15 NCEA credits from Level 2 Achievement Standards English.

Course Outline: NCEA Level 3 and Scholarship syllabus which includes: comprehension and criticism of prose and verse; study, research and seminar presentation of language topics; study of a Shakespearean play; study of at least two literature genres; creative writing; wide reading.

Where Does It Lead? University - many courses require NCEA Level 3 English as a prerequisite. Has application in most areas.

For Further Information See:
Ms L McNeill, Mrs P Lancaster.

ENGLISH INTERMEDIATE ENG302

Qualification: NCEA Level 3, University Entrance approved subject.

Approximate Cost: \$5.00 for class materials.

Entry Requirements: In general students from ENG201 and 202 can qualify. As a guideline, students will require 12 NCEA credits from Level 2 English.

Course Outline: This course contains a mixture of Achievement and Unit Standards and is entirely internally assessed. It will enable students to qualify for Level 3 English and will emphasise communication skills using thematic and media topics.

Where Does It Lead? University – many courses require NCEA Level 3 English as a pre-requisite. Has application in most areas.

For Further Information See:
Ms L McNeill, Mrs M Hume.

ENGLISH LITERACY ENG303

Qualification: Mainly Level 3 with two Level 2 Unit Standards which enable students to gain the credits for University Entrance Literacy, University Entrance approved subject.

Approximate Cost: \$5.00 for class materials.

Entry Requirements: In general students from ENG202 and 203 can qualify.

Course Outline: This course aims to support and reinforce students' competence and confidence in literacy skills. Students will gain skills and knowledge in listening, reading, speaking and writing effectively. Research and production skills will also be covered. Students are helped to gain the skills necessary for academic study.

Where Does It Lead? Skills and knowledge gained will enable students to enhance their employability and communication skills and gain entrance to University.

For Further Information See:
Ms L McNeill.

FILM STUDY & PRODUCTION FSP301

Qualification: NCEA Level 3/Scholarship,
University Entrance Approved Subject.

Course will run subject to sufficient number of students enrolling.

Approximate Cost: \$30.00 to cover tapes and materials.

Entry Requirements: Acceptance into Eng302 or 301.

Course Outline: The course will require students to:

- Plan, film and edit at least two films or documentaries.
- Become competent in the use of the camera, editing software, lighting and sound.
- Carefully study a range of films and be able to explain/analyse their meaning.
- Be able to explain in an essay the language of film (through study of a range of films).
- Be able to explain the relationship between film and society (through study of two film genres. Genres will be selected from Horror, War, Western or Musical).
- Be able to explain how the New Zealand film industry is controlled.

There will be three internal achievement standards and two external achievement standards.

Year 13 Film Studies is intended for students who have a genuine interest in studying and producing film. Other subjects that provide learning which can assist in the Film Studies & Production Course are Drama, English and the Social Sciences.

Where Does It Lead? Directly to tertiary study in film and/or broadcasting.

For Further Information See:
Mr S Gilpin.

FRENCH – FRE301

Qualification: NCEA Level 3/Scholarship, University Entrance approved subject.

Approximate Cost: Course fee \$3.00. French Magazine Subscription \$18.00.

Entry Requirements: At least three Achievement Standards (one must be external) in NCEA Level 2 French or by negotiation with HOD.

Course Outline: Students, some of whom will go on to university study, take on more responsibility in monitoring their own progress. Speaking in French as much as possible will be encouraged. Visiting Francophone students give great opportunity for this. Students have access to a variety of departmental resources – French films, audio CDs, computer programmes, French readers and French magazines.

Students will undertake some literary studies as part of the course. Language topics are chosen according to the students' interests, the work being based on Level 8 of the French Curriculum.

Where Does It Lead? Having done French to this level, students should be able to communicate with people from French speaking countries, with an appreciation of other cultures. All language study develops the ability to think clearly and to write precisely - increasingly important skills in worthwhile careers. Knowledge of a foreign language is essential for some overseas grants and scholarships, and studying French to this level provides opportunities for employment in many industries, including tourism and travel.

For Further Information See:
Mrs F Bamford.

GEOGRAPHY – GEO301 The Environment & People

Qualification: NCEA Level 3/Scholarship, University Entrance approved subject.

Approximate Cost: Field trips \$130.00, Skills notebook \$14.00.

Entry Requirements: Achievement in Geography: Four Level 2 Geography standards, including 90334 **or** Achievement in other Social Science Subjects: History AS90465 or 90467; or Social Studies 90273 or 90274 **or** acceptance into ENG302 or ENG301 **or** by negotiation with the TIC.

Course Outline: Geography is the study of interactions between people and the Environment. We anticipate a field trip to Kaikoura. This is highly recommended but not compulsory. There are two main areas of study:

Natural Processes: How do marine processes operate at the coastal fringes? How do people interact with the environment on the coast?

Cultural Processes: How does Tourism operate in New Zealand and Bali? What impact does Tourism have on the natural environment and the people who live there?

Where Does It lead? Careers in Resource Management, Planning, Surveying, Demographics, Travel. University and Polytechnic study

Other subjects which may help students learning in this course are other Sciences like Biology and Physics and Social Sciences like History and Social Studies.

For Further Information See:
Mr C Perry.

GRAPHICS – GRA301

Qualification: NCEA Level 3/Scholarship, University Entrance approved subject.

Approximate Cost: Material fee \$10.00.

Entry Requirements: At least 12 credits in NCEA Level 2 Graphics or by negotiation with the HOD.

Course Outline: Graphics at this level involves students planning and managing major units of work. Fully researching issues and negotiating with clients to establish a brief. The students in consultation with the client develop solutions for final presentation. Students use the graphic knowledge, drawing and

presentation skills from the previous two years and further develop these to the specific areas of study to enhance detail and presentation of ideas.

Areas of study include:

- Architectural and environmental design.
- Engineering and Technological design.
- Media design and Technical Illustration.

Where Does It Lead? Polytechnic courses in; Design, Graphics, Architectural Draughting, CAD Design, Product Design, Media Graphics, Mechanical Drawing, Quantity Surveying; University studies in; Design, Graphics, Architecture, Engineering, Technology.

For Further Information See:

Mr E Wright.

HISTORY – HIS301

Qualification: NCEA Level 3/Scholarship, University Entrance approved subject.

Approximate Cost: None.

Entry Requirements: Acceptance into Eng 302 or 301.

Course Outline: Major topic of study is “New Zealand in the 19th Century” including the three themes of:

- a) Māori/Pakeha relations.
- b) Economic and political change.
- c) Society and attitudes.

Students will also complete independent historical research. The topic for this is:

- An event that changed the world.

The focus of the Year 13 (Level 3) History is intended for students who have an interest in Race Relations, Political Science and Sociology. The other subjects which provide learning that assists History students deepen their understanding of the processes and topics studied in History include Social Studies, Geography and Economics.

Where Does It Lead? University, College of Education. Students considering a career in any field which requires report writing, unbiased opinion, analytical and logical thought will find this subject beneficial. Careers include: - Law, Journalism, Teaching, Tourism, Public Relations, Libraries, and Government Departments.

For Further Information See:

Mr S Gilpin.

HORTICULTURAL SCIENCE HSC301

Qualification: NCEA Level 3, University Entrance approved subject.

Approximate Cost: \$20.00 (includes student workbook).

Entry Requirements: A minimum of 14 credits in any one Level 2 Science or Commerce based subject (SCI201, BIO201, CHE201, PHY201, ACC201 and ECA201) or at the discretion of the HOD.

Course Outline:

- AS 90649 - Research the production of a marketable locally produced primary product (Internal - 6 credits).
- AS90650 - Investigate production and marketing of a nationally significant primary product (Internal - 4 credits).
- AS90652 - Explain the production process for a nationally significant primary product (External - 5 credits).
- AS90653 - Analyse a primary production environmental issue (External - 4 credits)
- AS 90651 – Explain how market forces affect supply and demand of primary product (6 credits).

Where Does It Lead? University Degree/Diploma courses in: Commerce, Marketing, Horticulture, Agriculture and Science at Lincoln or Massey. Polytechnic courses. Any employment with a horticulture/agriculture basis.

For Further Information See:

Miss G Barrett.

HOSPITALITY – HOS303

Qualification: NCEA Level 3.

Approximate Cost: \$220.00 – this fee covers the cost of all pantry supplies used.

Entry Requirements: Preference given to those who have at least 12 credits in NCEA Level 2 Food related courses (FDN202 or HOS203). Alternatively by negotiation with the HOD. Course maximum 24.

Course Outline: The unit standards will cover a range of topics to increase knowledge and chef skills used in Hospitality. Topics include:

- Food hygiene and safety.
- Food preparation and presentation.
- Special occasion food.
- Beverage service skills.

Where Does It Lead? Gives a good foundation for Polytechnic Hospitality and Catering courses, to the Degree of Consumer & Applied Science and other careers in the Hospitality & Food Industry.

For Further Information See:

Mrs A Walker.

JAPANESE – JPE301

Qualification: NCEA Level 3/Scholarship, University Entrance approved subject.

Approximate Cost: Vocabulary Booklets \$15.00, Kanji Booklets: \$5.00.

Entry Requirements: At least three of the six Achievement Standards in NCEA Level 2 Japanese (one must be external) or by negotiation with HOD.

Course Outline: In addition to revising and consolidating Year 12 work, Level 7 and 8 of the National Japanese Curriculum will be covered through the study of four topics:

| | |
|------------|------------------------------|
| Term One | Land and People. |
| Term Two | Travel and Tourism. |
| Term Three | Japan at Work. |
| Term Four | Communication and the Media. |

The remaining characters of the 300 NCEA Level 3 level kanji characters will be taught, and all will be revised prior to final examinations.

The final two terms introduce no new grammar or kanji, focussing instead on preparing for NCEA Level 3 Japanese.

Where Does It Lead? University or Polytechnic course. A knowledge of Japanese can lead to work in the tourist industry or in the increasing numbers of firms which do business with Japan.

For Further Information See:

Mrs R Austen.

MĀORI – MAO301

Te Reo Māori

Qualification: NCEA Level 3/Scholarship, University Entrance approved subject.

Approximate Cost: Field trips or a Marae visit - \$40.00 (subject to availability).

Entry Requirements: 18 credits in NCEA Level 2 Māori.

Course Outline: E ngā mana, e ngā reo, e ngā karangatanga maha o ngā hou e whā, tēnā koutou katoa. Tēnā koutou e ngā rau rangatira e kaha ake

nei ki te ako i te reo rangatira, te taonga tuku iho nō ngā tīpuna. During this course students will continue to build on their confidence and abilities as a student of the Māori language. The course will focus on developing the student's skills in listening, speaking, reading and writing in te reo Māori. Topics covered will include:

- Tōku Tūrangawaewae
- Te Hauora me te Tinana
- Te Noho i te Tāone
- Te Poha
- Te Kākano
- Te Reo o ngā Tīpuna
- Ngā Manu Kōrero
- Ngā Tātai Whakapapa

Where Does It Lead? University, Polytechnic and wide range of career opportunities in the fields of education, government departments, television & radio broadcasting, tourism, as well as, any job that may require bilingual skills or bicultural understanding.

For Further Information See:

Mr M Jennings.

MATERIALS TECHNOLOGY (COMBINED) – MTC303

Qualification: NCEA Level 3.

Approximate Cost: Materials fees \$150.00. Any extra materials used will be charged accordingly.

Entry Requirements: Students need 16 credits or better in NCEA Level 2 Materials Technology (either Wood or Metal) or by negotiation with the HOD. Class maximum: 16.

Course Outline: The course will give a wide and varied experience in combining a range of materials into products with real needs. Materials such as wood and metal will be enhanced by the use of other materials that include fibre-glassing, acrylic sheet and glass.

Students will independently plan time and resources, use the design process and develop well thought out project outcomes. They will use skills in research and problem solving in more depth. Good safe working practices are expected along with the success of applying craftsmanship to their work. Short run production set up as well as computer aided machining may be part of the course.

Where Does It Lead? Polytechnic courses in Material related trades and related employment opportunities in Engineering Industry e.g. Fitter, Turner, Welder, Engineer, Blacksmith, Sheet metal, Fabricator, Plastic engineering etc.

Building related trades and related employment opportunities in building e.g. Joinery, Furniture making, Carpentry, Cabinet Maker, Boatbuilding etc.

For Further Information See:
Mr E Wright.

MATHEMATICS WITH CALCULUS – MAC301

Qualification: NCEA Level 3/Scholarship,
University Entrance approved subject.

Approximate Cost: None.

Entry Requirements: In general students from MAT201 can qualify for MAC301. Although in exceptional circumstances students from MAT202 may qualify. Students must have gained a minimum of 16 credits from the above courses. Places in this course will be limited and preference will be given to those with a Merit grade in the Algebra and Calculus papers. Other students may be admitted at the HOD's discretion.

Course Outline: Equations; real, rational and complex numbers; graphs and conic sections; trigonometry; calculus including the solution of differential equations.

The course extends and develops the calculus work begun in Year 12. The formulation of problems in mathematical terms, use of mathematical reasoning, precision in the use of symbols and the ability to construct and set out methodically a mathematical argument are increasingly important.

Where Does It Lead? Higher Mathematics courses. This course provides important background for study and/or careers including Physical Sciences and Engineering.

For Further Information See:
Mr M Howard.

MATHEMATICS: STATISTICS AND MODELLING – MSM301

Qualification: NCEA Level 3/Scholarship,
University Entrance approved subject.

Approximate Cost: Notes \$10.00.

Entry Requirements: In general students from MAT201 or MAT202 can qualify for MSM301. Students must have gained a minimum of 16 credits from the above courses. Places in this course will be limited and preference will be given to those who have achieved in Algebra. Other students may be admitted at the HOD's discretion.

Course outline: The course involves seven achievement standards focusing on the use and interpretation of data through modelling and statistical processes, and includes the analysis of the effectiveness of models and measures (including the use of probability). The emphasis is on application to practical problems and the use of graphical calculators and computers is encouraged. Three of the eight standards will be internally assessed.

Where does it lead? University or Polytechnic study in the Social Sciences, Biological Sciences, and in any discipline where the handling of statistical or numerical data is important.

For Further Information See:
Mr M Howard.

MUSIC – MUS301

Qualification: NCEA Level 3/Scholarship,
University Entrance approved subject.

Approximate Cost: Visiting performing groups
\$20.00.

Entry Requirements: Achievement Standards 90264, 90265, 90266 and 90270 in NCEA Level 2 Music or by negotiation with the HOD.

Course Outline: Five components will be studied:

- Performance: Solo and group (9052801).
- Composition (9052801).
- Aural and listening skills.*
- Harmonic and tonal analysis.
- Research Topic (9049901) or (90497).
- Arranging Music (9052701). *

* Are compulsory.

Students will decide which other areas they will be assessed in.

Where Does It Lead? University and Polytechnic courses, Music diplomas, Music degrees, College of Education and the Music industry.

For Further Information See:
Ms B McKay.

OUTDOOR RECREATION ODR303

Qualification: NCEA Level 3.

Approximate Cost: \$500.00 course fee paid in three instalments. The cost of suitable personal clothing must be met by the students.

Entry Requirements: Due to the risks involved in the course a high standard of personal responsibility is required. Students who have completed ODR203 will gain automatic entry to this course. Additional students will be considered for this course on application. Students will also require suitable outdoor clothing to ensure their safety when participating in activities. A gear list is provided prior to the course.

Course Outline: The school is accredited to offer many NZQA Unit Standards in Outdoor Recreation up to Level 3. We offer units in mountain biking, mountain craft, tramping, weather interpretation, orienteering and outdoor navigation. Successful completion of units can contribute to university entrance.

Students will attend trips and overnight camps that result in absences from other subjects. Attending these trips and overnight camps are a required part of assessment to gain credits during this course. Students are expected to catch up on all missed work.

Where Does It Lead? The course can be valuable in occupations where self-confidence, commitment and good communication skills are needed and can lead into the Adventure Tourism Industry and to tertiary courses in Outdoor Pursuits.

For Further Information See:
Mr D Rooney.

PHYSICAL EDUCATION PED301

Qualification: NCEA Level 3/Scholarship,
University Entrance approved subject.

Approximate Cost: Professional instruction \$100.00 and workbook \$22.00.

Entry Requirements: 16 credits in NCEA Level 2 Physical Education (PED201) or acceptance into Eng301 or 302 *or* by negotiation with the HOD.

Course Outline:

- 90739 Plan a physical activity programme or experience that relates to a personal definition of hauora.
- 90740 Review a physical activity programme or experience that relates to a personal definition of hauora.
- 90741 Appraise performance and review a programme for performance improvement, for self or others.
- 90742 Demonstrate performance in a physical activity against nationally developed standards.
- 90743 Examine a current physical activity event or trend or issue impacting on New Zealand society.

90744 Critically examine physical activity and take action to influence the participation of others.

Where Does It Lead? Tertiary study in Recreation, Leisure, Physical Education or Outdoor instruction. Skills and confidence to participate in community leadership and/or coaching roles.

For Further Information See:
Ms M Lynch.

PHYSICS – PHY301

Qualification: NCEA Level 3/Scholarship,
University Entrance approved subject.

Approximate Cost: Course Manual \$23.00 and revision guides \$25.00.

Entry Requirements: Automatic entry to this course requires achievement in four 201 Physics achievement standards offered and merit or excellence in at least one, plus achievement in 201 Mathematics algebra or trigonometry standards.

Students not meeting these criteria need to seek approval from the HOD.

Course Outline:

- Demonstrate understanding of wave systems (AS90520).
- Demonstrate understanding of mechanical systems (AS90521).
- Demonstrate understanding of electrical systems (AS90523).
- Carry out a practical physics investigation with guidance, that leads to a mathematical relationship (AS90774).

There is one internal achievement standard during the year, with three external assessments at the end of the year.

Where Does It Lead? Physics is a prerequisite in the first year courses for Engineering, Optometry and Architecture, and may be taken for Medicine, Food Technology, Physiotherapy and many other courses. The course can provide exemptions in appropriate Polytechnic courses at Trade or New Zealand Certificate level.

For Further Information See:
Mr L Yang.

SCIENCE – SCI301

Qualification: NCEA Level 3/Scholarship,
University Entrance approved subject.

Approximate Cost: Science Workbook \$15.00, fieldtrip(s) \$20.00.

Entry Requirements: Automatic entry to this course requires achievement or higher in a minimum of 15 credits from any of the 201 Science, Biology, Chemistry or Physics courses or by negotiation with the HOD.

Course Outline: This is a full NCEA Level 3 Science course and is intended for students with an interest in Science who wish to keep their academic options open without selecting specialist science subjects. After course counselling some students might be permitted to study **one** other Science subject at Year 13 level.

- Describe genetic processes (AS90729).
- Describe selected chemical processes and their uses (AS90730).
- Describe geological processes affecting New Zealand (AS90731).
- Describe properties and applications selected from electromagnetic radiation, radioactive decay, sound and ultrasound (AS90732).
- Report on a recent astronomical event or discovery (AS90733).
- Carry out practical scientific investigation with guidance (AS90727).
- Research a current scientific controversy (AS90728).

There are three internal achievement standard assessments during the year, with four external assessments at the end of the year.

Where Does It Lead? University and Polytechnic. After completing a successful Year 13 Science course, students will be suitable for any occupation where a basic knowledge of Science is required.

For Further Information See:
Mr R Kent.

SOCIAL STUDIES – SOS301

Qualification: NCEA Level 3, University Entrance approved subject.

Approximate Cost: Field trips may occur, costs will vary. There is a possibility of a non compulsory field trip to Wellington (approximate cost \$250.00).

Entry Requirements: Acceptance into Eng 302 or 301.

Course Outline:

- Fundamentalisms – Destiny Church and Islam.
- Diversity and social groupings at Lincoln High School section 59 and the challenge to your rights.
- The Challenge of Terror.
- Politics in New Zealand and USA.

Social Studies is intended for students with an interest in Psychology, Sociology, Anthropology and Political Science. Other subjects offered at Lincoln High School, which help to add to the understanding of Social Studies knowledge and processes include History and Geography.

Direct investigation and contact with people and organisations is important in this subject. Field trips are an integral part of our learning. It is possible that one of these field trips per year level will involve overnight stays and travel out of the Canterbury region. Notice of these trips will be given at least one term in advance. Alternative arrangements will be made for those students who are unable to join in on a field trip such that they will not miss out on any associated assessment opportunities.

Where Does It lead? Courses and careers in areas that deal with the needs of people and society such as careers in Health Sciences, Education, Social Services, Armed Services and Government Agencies.

For Further Information See:
Ms K Wilson.

SPORTS COACHING AND LEADERSHIP - SPC303

Qualification: NCEA Level 3.

Approximate Cost: \$200.00 (workbooks, field trips).

Entry Requirements: Open entry. Preference will be given to students who have studied PED courses at Level 1 or 2. All other students must be approved by the HOD. Class maximum 2 x 20 students.

Course Outline: The course will offer the students the opportunity to develop leadership and management skills through coaching at local primary schools and at Lincoln High School. At the completion of the course students are able to receive a “Certificate of Achievement in Sport Leadership” through Aoraki Polytechnic.

Course content includes:

- Introduction to event management.
- Kiwisport Leadership Award.
- Learn and teach new games to junior students.
- Sports injury prevention.
- Refereeing opportunities.
- Plan and coach a group of students in a chosen sport.
- Fitness training.
- Field trips (Ultimate Challenge Centre, Christchurch sporting facilities eg QEII, Pioneer).

Where Does It Lead? The course offers students a specific pathway to tertiary study at the Aoraki Polytechnic campuses throughout the South Island e.g. Diploma of Sport (Elite Performance).

Other opportunities in tertiary study are also possible in coaching, recreation, leisure, Physical Education and Outdoor Instruction. It will also offer students the chance to gain skills and confidence to participate in community leadership and/or coaching roles.

For Further Information See:
Ms A Grant.

TOURISM – TOU303

Qualification: NCEA Level 3 and can lead to the completion of the National Certificate in Tourism (Introductory Skills).

Approximate Cost: Workbooks \$100.00.

Entry Requirement: Open entry. This is the second year of a two year programme that leads to a National Certificate in Tourism.

Course Outline: This course is a continuation of the Tourism 203 course. Students learn the skills to promote a New Zealand Tourist destination. They further develop their knowledge of tourist destinations in Australia and the Pacific Islands. They learn about the positive and negative impact that Tourism has on the New Zealand Economy.

Where Does It Lead? It will provide a foundation on which to develop the skills and knowledge required by the Tourism industry.

For Further Information See:
Mr Senior, Mr Perry, Ms Winchester.