



# YEAR 13 - COURSE INFORMATION BOOKLET



2021

## SENIOR COURSES 2021

1. Choosing the right course is important.
2. Think about why you may be selecting certain subjects.
3. Some possible reasons may be:
  - A valuable skills base for the future
  - Understand the subject well, gained good marks, enjoying the subject
  - Needed for career, future education/training
  - Widen future options / a new direction / an interest
4. If you are considering a new subject, find out about it, talk to the HOD.
5. There are many people who can help:
  - Talk to your parents
  - Use the resources at school – Careers Advisors, Career Services website, resources in SSC, Teachers – Subject, Form, HOD's, Deans
  - Get your preferred choices **signed off** by the appropriate teachers after talking with them.

We initially gather data from students who give an **indication** of courses by **Wednesday 23 September**.

In Term Four, **Year 10** students will make their final choices before **Tuesday 24th November**.

**Year 11** and **Year 12** students **MUST** attend Course Selection Day on **Monday 7th December**.

**Course Confirmation day is during the week starting 1 February 2021.**

### Level 1:

Students need 80 credits to gain a National Certificate. **The emphasis should be on quality of achievement rather than just quantity of credits. By focusing on quality, students give themselves the best chance of achieving an endorsement with Merit or Excellence for their Level 1 Certificate, and in individual Courses.** In addition, students may take more than one year to gain a National Certificate. Their credits can accumulate each year until the required number of credits is reached.

### Level 2:

A Level 2 Certificate consists of 60 credits gained at Level 2 and 20 from any other level. These 20 may have already counted toward a Level 1 Certificate. All courses contribute credits toward the National Certificate. Some subjects offer alternative courses specifically designed for some Year 12 and 13 students, which are a combination of Level 1 and Level 2 credits.

Entry to many Level 2 subjects is dependent on your previous study and achievement in Year 11. If in doubt, consult with the Head of Department of that subject.

### Level 3:

Level 3 courses are designed for Year 13 students. A Level 3 Certificate consists of 60 credits at Level 3 and 20 credits from Level 2 and above. These 20 credits may have counted toward a lower level qualification. While students in Year 13 may select courses at any level, most are likely to study at least five **FULL** Level 3 courses.

University Entrance (UE) will continue to be the minimum requirement to go to a New Zealand university. To be awarded UE you will need:

- NCEA Level 3
- Three subjects - at **Level 3 or above**, made up of 14 credits each, in three approved subjects
- Literacy - 10 credits at **Level 2 or above**, made up of:
  - 5 credits in reading
  - 5 credits in writing
- Numeracy - 10 credits at **Level 1 or above**, made up of:
  - achievement standards – specified achievement standards available through a range of subjects, or
  - unit standards - package of three numeracy unit standards (26623, 26626, 26627- **all** three required).

**Note:** For entry, several New Zealand Universities are now requiring more, *beyond* the basic U.E. listed above. To get preferential or guaranteed entry, students will need to meet higher criteria. Each University is different so see Careers staff for details.

**English** is not compulsory in Year 13, however, it is considered highly desirable. If your course is mostly Mathematics/Science we believe it worthwhile to consider taking English or some other Arts/Humanities subject. (For example Art, Geography, History or Economics).

Students who wish to pursue a career in Commerce or Arts should select subjects from the areas of Economics, Accounting, DTG, History, Geography and Art.

Both **Mathematics with Calculus and Mathematics with Statistics and Modelling** are offered for Level 3. You may choose to study one or other or both of these subjects.

**Science** subjects are important in many careers, for example the health field (laboratory work, physiotherapy, nursing, medicine), engineering, technology, architecture, agriculture/horticulture and physical education.

Few occupations call for Physics and/or Biology without Chemistry. If a science based career is being considered you should study Mathematics, Chemistry and Biology and/or Physics.

**Multi Level Study** students may study at any level as long as they meet the entry requirement. In all cases however, the College reserves the right of refusal if it is deemed not to be in the interests of the students or for some other educational reason.

Entry to a Level 3 course is dependent on a number of things. Some subjects require you to have studied the subject at Level 2 or attained a particular grade. Some subjects are able to be studied for the first time at this level but you need to talk to the teacher concerned. Other subjects can be studied at this level and have no prerequisites. Check the subject entries in the handbook.

**STAR PROGRAMMES:** Central Southland College has funding available to offer courses to our senior students, which are non-conventional school subjects. For 2021 the following courses are available on site, to students wishing to pursue a career in them:

- Hospitality
- Tourism

There is also funding available for a variety of other STAR courses. Many of our seniors travel to Invercargill for one day a week for a 10 week period to attend a particular STAR course. If a senior student is interested in any STAR course, he/she **must** register their interest with Mrs Ballantyne or Mrs Woodd.

**GATEWAY** opens a new pathway from school to the world of work. It is a great opportunity to blend school study with workplace learning and experience. Learning is associated within the workplace, counting towards national qualifications. The Gateway programme at CSC is an opportunity for students to experience the workplace first hand while working towards unit standards in the industry area they have chosen. If you are a motivated, achieving student and would like to know more about Gateway in our school for 2021 – See Mrs Ballantyne or Mrs Woodd in the Careers office. Applications close on 25th September. There are limited places in this programme.

**TRADES ACADEMY:** This is a partnership between SIT and schools. These are year-long courses run from SIT in Invercargill with students attending 1 day a week. Each course consists of Level 2 or Level 3 Unit or Achievement Standards. Courses change each year so students should see the Careers office for more information.

**NZ SCHOLARSHIP:** Students of exceptional ability can also choose to attempt NZ Scholarship examinations. The course of study is similar to Level 3 NCEA but the standards are set at a very challenging level. All assessment is external through a written examination or portfolio of work. Only the most capable and committed students should attempt scholarship.

### Who can help with information about a specific subject?

Accounting	Mrs Fiona Engel/Mr Peter Turnbull
Agriculture	Mrs Lynley Woodd
Art	Miss Ashlee Carr
Biology	Miss Kirsty MacFie/Miss Alicia Harrison
Chemistry	Mr Keith Brinkworth
Design & Visual Communication	Mr Ken Maher
Digital Technologies/Media	Mr Alister Gray
Drama	Mrs Sarah Faithfull
Economics	Mr Peter Turnbull
English	Miss Kirsten Kean
Food & Nutrition: Hospitality	Mrs Kit Pryde
French	Mr Nic Jegousse
Geography	Mr Trevor Pryde
History	Miss Kimberley Murch
Mathematics & Statistics	Mr Chris Jones
Music	Mrs Jolene Kynan-Wilde
Physical Education	Mr Tony Meechang
Physics	Mr Chris Knapp
Science	Mr Keith Brinkworth
Technology: Hard Materials & Joinery	Mr Ken Maher/Mr Malcolm Jones
Te Reo Māori	Ms Francine Knowles
Textiles Design Technology	Mrs Karen Hammond
Tourism	Mr Trevor Pryde

### Who can help with general information?

<b>Career Advisors: STAR Co-ordinators:</b>	<b>Mrs Sue Ballantyne</b>
	<b>Mrs Lynley Woodd</b>
<b>NZQA Principal's Nominee:</b>	<b>Mr Peter Turnbull</b>
<b>Guidance Staff:</b>	<b>Mrs Jenni Wood</b>
<b>Principal:</b>	<b>Mr Grant Dick</b>

Each page is laid out to give you an overview of the different subjects CSC will be offering in 2018. You can see how many NCEA credits each subject offers, including a breakdown of literacy and numeracy credits, and an overview of how each subject contributes to a variety of different Vocational Pathways. Each page also has a paragraph briefly describing each subject.

### *What are the Vocational Pathways?*

The Vocational Pathways provide new ways to achieve NCEA Level 2 – the foundation for success in further education and the world of work. The pathways help students, parents, and whanau see how learning is relevant to a wide range of jobs and study options. Achieving credits towards Vocational Pathways means each student is developing the necessary skills and knowledge in areas that employers value. Through a student's Vocational Profile they will be able to see a graph which can show what they plan to learn or their current achievements, and identify their interests, strengths and abilities to achieve their chosen pathway(s).



**PLEASE NOTE:** The Level 3 standards for Vocational Pathways are in draft format at the time of printing. They will be updated once confirmed.

- Primary Industries
- Services Industries
- Social & Community Services
- Manufacturing & Technology
- Construction & Infrastructure
- Creative Industries

### Are the Pathways Flexible?

Yes. You can move across pathways. The Vocational Pathways contain a great deal of shared learning, like literacy (reading) and numeracy (maths), and identify the skills which employers in any sector value, so you can change direction in your learning. The Pathways allow you to: build your vocational profile to plan what you want to achieve and how to get there; compare how your NZQA Record of Achievement relates to your vocational profile, and how your interests, aspirations and achievements match up to a wide range of work and study possibilities; show your future employers your achievements, strengths and skills using your vocational profile.

For more information visit:

Vocational Pathways [www.youthguarantee.net.nz](http://www.youthguarantee.net.nz)

Careers New Zealand [www.careers.govt.nz](http://www.careers.govt.nz)

Occupation Outlook2015 [www.dol.govt.nz/occupation-outlook](http://www.dol.govt.nz/occupation-outlook)

Go online to use the Profile Builder as a planning tool for your learning-to-earning journey.

# Curriculum Progression

<i>Learning Areas</i>	<i>YEAR 9</i>	<i>YEAR 10</i>	<i>YEAR 11</i>	<i>YEAR 12</i>	<i>YEAR 13</i>
<i>English</i>	•English	•English	•English 101 •English 102	•English 201 •English 202	•English 301 •English 302
<i>Science</i>	•Science  •Agriculture	•Science  •Agriculture	•Science 101  •Science 102 •Agriculture 101 •Agriculture Trades Academy 1	•Biology 201 •Chemistry 201 •Physics 201 •Science 201 •Agriculture 201 •Agriculture Trades Academy 2	•Biology 301 •Chemistry 301 •Physics 301  •Agriculture 301
<i>Mathematics</i>	•Mathematics	•Mathematics	•Mathematics 101 •Mathematics with Statistics 101 •Mathematics 102	Mathematics 201 •Mathematics with Statistics 201	•Mathematics with Calculus 301 •Mathematics with Statistics 301
<i>Social Science</i>	•Social Studies  •Economics	•Social Studies  •Economics	•Geography 101 •History 101  •Economics 101 •Accounting 101	•Geography 201 •History 201 •Tourism 201 •Economics 201 •Accounting 201	•Geography: Sustainable Landscapes 301 •History 301 •Tourism 301 •Economics 301 •Accounting 301
<i>Physical Education &amp; Health</i>	•Physical Education & Health	•Physical Education & Health	•Physical Education 101	•Physical Education 201 •Physical Education 202	•Physical Education 301
<i>The Arts</i>	•Art  •Drama •Music	•Art  •Drama •Music	•Art 101  •Drama 101 •Music 101	•Painting 201 •Printmaking 201 •Photography 201 •Design 201 •Drama 201 •Music 201	•Painting 301 •Printmaking 301 •Photography 301 •Design 301 •Drama 301 •Music 301
<i>Technology</i>	•Technology: Hard Materials  •Food & Nutrition  •Digital Technologies/Media •Design and Visual Communication •Textiles Technology	•Technology: Hard Materials  •Food & Nutrition  •Digital Technologies/Media •Design and Visual Communication •Textiles Technology	•Technology: Hard Materials 101  •Food & Nutrition 101  •Digital Technologies/Media 101 •Design and Visual Communication 101 •Textiles Technology 101	•Technology: Hard Materials 201 •Joinery •Food, Nutrition & Hospitality 201  •Digital Technology/Media 201 •Design and Visual Communication 201 •Textiles Design Technology 201 •Textiles Design Technology 202	•Technology: Hard Materials 301 •Building and Construction BCITO •Food & Nutrition 301  •Digital Technologies/Media 301 •Design and Visual Communication 301 •Textiles Design Technology 301 •Textiles Design Technology 302
<i>Languages</i>	•French •Te Reo Māori •ESOL	•French •Te Reo Māori •ESOL	•French 101 •Te Reo Māori 101 •ESOL	•French 201 •Te Reo Māori 201 •ESOL	•French 301 •Te Reo Māori 301 •ESOL
<i>Vocational</i>			•Futures 101	•Futures 201 •Gateway •STAR	•Gateway •STAR

# COURSE TITLE: ACCOUNTING 301

TOTAL CREDITS AVAILABLE: 17-21

LITERACY CREDITS: 13

NUMERACY CREDITS: 17

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mr P Turnbull

Approximate Course Related Costs: Nil

## Course Description:

The study of Accounting will enable students to understand the process involved in recording, classifying, analysing and interpreting financial information. Level 3 Accounting applies accounting methods to the formation of, and financial reporting for, Partnerships and Companies. It looks in depth at the key concepts behind accounting practice and introduces the techniques of cost accounting. The role of financial data and non-financial information is explored in management decision making.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways								
AS 91405	Demonstrate understanding of accounting for partnerships.	3	4	I										
AS91404	Demonstrate an understanding of accounting concepts for a New Zealand Reporting entity.	3	4	E	RW									
AS 91406	Demonstrate understanding of company financial statement preparation.	3	5	E										
AS 91409	Demonstrate understanding of a job cost sub-system for an entity.	3	4	I										
AS 91408	Demonstrate understanding of management accounting to inform decision-making.	3	4	E										

## Possible Future Employment / Study Pathways

Further Accounting or Economics study; Careers include; consultancy, auditor, farm management, production manager, stock and station agent, events manager, project manager, journalist, administrator, publishing, accountant, actuary, bank worker, cashier, broker, finance manager, hotel management, insurance agent, office manager, purchasing officer, real estate agent, and valuer.



# COURSE TITLE: AGRICULTURE 301

TOTAL CREDITS AVAILABLE: 24

LITERACY CREDITS: 15

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mrs L Woodd

Approximate Course Related Costs: \$15 field trips

## Course Description:

This subject is a one year programme that assesses Achievement Standards and Primary ITO Unit Standards. These Unit Standards are registered with NZQA and credits awarded are counted in your total NCEA credit requirement for Level 3. There is a mix of Unit and Achievement standards to ensure a relevant and interesting programme while allowing students to attain subject endorsement.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	read/writing	Vocational Pathways							
US 571	Demonstrate knowledge of wool production	3	5	I									
AS 91529	Research and report on the impact of factors on the profitability of a New Zealand primary product	3	6	I	R/W								
AS 91531	Demonstrate understanding of how the production process meets market requirements for a New Zealand primary product(s)	3	4	E	R/W								
AS 91532	Analyse a New Zealand primary production environmental issue	3	5	E	R/W								
US 19149	Demonstrate knowledge of lambing	3	4	I									

## Possible Future Employment / Study Pathways

Further Agricultural study; Careers include; farm consultancy, livestock agent, livestock buyer, wool handler, shearer, soil scientist, farm management, production manager, stock and station agent, environmental scientist, farm accountant, farm worker, farm manager, lab technician, teaching, sales representative and valuer.

# COURSE TITLE: AGRICULTURE 301- Alternative Option

TOTAL CREDITS AVAILABLE: 24

LITERACY CREDITS: 0

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mrs L Woodd

Approximate Course Related Costs: \$15 field trips

## Course Description:

This subject is a one year programme that assesses Primary ITO Unit Standards. These Unit Standards are registered with NZQA and credits awarded are counted in your total NCEA credit requirement for Level 3. There is a mix of Unit Standards to ensure a relevant and interesting programme.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways							
US 571	Demonstrate knowledge of wool production.	3	5	Int									
US 19111	Demonstrate knowledge of the types, breeds, uses and health requirements of farm dogs.	3	4	Int									
US 10082	Demonstrate knowledge of rearing weaner or replacement cattle.	3	4	Int									
US 19075	Demonstrate knowledge of calving, and associated diseases and health disorders.	3	3	Int									
US 19149	Demonstrate knowledge of lambing.	3	4	Int									
US 23542	Identify factors, and describe how to manage factors that contribute to injury in a rural workplace.	3	4	Int									

## Possible Future Employment / Study Pathways

Further Agricultural study; Careers include; livestock agent, livestock buyer, wool handler, shearer, farm management, production manager, stock and station agent, farm worker, farm manager, sales representative.

# COURSE TITLE: BIOLOGY 301

TOTAL CREDITS AVAILABLE: 18

LITERACY CREDITS: 12

NUMERACY CREDITS: 4

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Miss A. Harrison

Approximate Course Related Costs: \$35 Digital Workbook

## Course Description:

This course involves the study of homeostasis in the human body, speciation and human evolution

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways							
AS91601	(BIO 3.1) Carry out a practical investigation in a biological context, with guidance.	3	4	I									
AS91605	(BIO 3.5) Demonstrate understanding of evolution and speciation	3	4	E	R/W								
AS91606	(BIO 3.6) Demonstrate understanding of trends in human evolution.	3	4	E	R/W								
AS91604	(BIO 3.4) Demonstrate understanding of how an animal maintains a stable internal environment.	3	3	I	R								
AS91602	(BIO 3.2) Integrate biological knowledge to develop an informed response to a socio-scientific issue.	3	3	I	R/W								

## Possible Future Employment / Study Pathways

Further Biology or Science study; Careers in Science including Medical, Vet, Agriculture and Physical Education

# COURSE TITLE: BUILDING AND CONSTRUCTION 301

TOTAL CREDITS AVAILABLE: 20

LITERACY CREDITS:

NUMERACY CREDITS:

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: **Mr M Jones**

Approximate Course Related Costs: \$50

## Course Description:

A theory and practical based subject. The student works through Unit Standards that are based around practical projects.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways					
US 29684	Undertake a Stage 3 BCATS project	3	12	I							
US 12998	Demonstrate knowledge of carpentry hand tools	3	4	I							
US 29682	Select, use, and maintain tools, equipment and machinery for a Stage 3 BCATS project	3	4	I							

## Possible Future Employment / Study Pathways

Trade-based careers e.g. Joinery, Building, Boat builder, Building contractor, Cabinet maker, Carpenter, General labourer, Roofer, Wood machinist.

# COURSE TITLE: CHEMISTRY 301

TOTAL CREDITS AVAILABLE: UP TO 28

LITERACY CREDITS: Up to 7

NUMERACY CREDITS: 9

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mr K Brinkworth

Approximate Course : \$35 workbooks  
Related Costs: \$80 dunedin chemistry trip

### Course Description:

This course involves studying Oxidation and Reduction, Volumetric Analysis, Thermochemistry, Acid Base and Solubility Equilibriums, Atomic Structure and Bonding, Transition metals and Organic Chemistry.

### ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways					
AS91387	(CHE 3.1) Carry out an investigation in chemistry involving quantitative analysis	3	4	I	W						
AS91390	(CHE 3.4) Demonstrate understanding of thermochemical principles and the properties of particles and substances	3	5	E							
AS91391	(CHE 3.5) Demonstrate understanding of the properties of organic compounds	3	5	E							
AS91392	(CHE 3.6) Demonstrate understanding of equilibrium principles in aqueous systems	3	5	E							
AS91393	(CHE 3.7) Demonstrate understanding of oxidation-reduction processes	3	3	I							
AS91138	(CHE 3.2) Demonstrate understanding of spectroscopic data in chemistry	3	3	I							
AS91389	(CHE 3.3) Demonstrate understanding of chemical processes in the world around us	3	3	I	R/W						

### Possible Future Employment / Study Pathways

Further Chemistry and Science study; Many careers in Science and Technology including Agriculture, Engineering, Medical and Vet Courses

# COURSE TITLE: DESIGN AND VISUAL COMMUNICATION 301

TOTAL CREDITS AVAILABLE: 16 - 22

LITERACY CREDITS:

NUMERACY CREDITS:

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mr K Maher

Approximate Course Related Costs: \$0

## Course Description:

This course teaches students to use Graphics to solve design problems. The course is focused on the student taking control of the content within the topics taught. The emphasis is on design and designers; using the information gathered to influence the student's work. Topics covered are: "Develop and Resolve Spatial Design" and "Develop and Resolve Product design". Incorporated in this is Exhibiting a Visual Presentation of their own Design.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways							
AS91627	(DVC 3.30) Initiate design ideas through exploration	3	4	E									
AS91628	(DVC 3.31) (Optional) Develop a visual presentation that exhibits a design outcome to an audience	3	6	I									
AS91629	(DVC 3.32) Resolve a spatial design through graphics practice	3	6	I									
AS91630	(DVC 3.33) Resolve a product design through graphics practice	3	6	I									

## Possible Future Employment / Study Pathways

Further study in Design and Visual Communication

Careers in all areas of design.

# COURSE TITLE: DIGITAL TECHNOLOGIES 301

## Computer Science - Digital Media - Game Development

TOTAL CREDITS AVAILABLE: 17 (3.7 Computer Program 6 Cr - will not offered to all students)

LITERACY CREDITS: 3

NUMERACY CREDITS: 0

Teacher in Charge: Mr A Gray

Course Related Costs: \$20 - includes AdobeCC Subscription

### Course Description:

The Level 3 Digital Technologies course is available to students continuing from Year 12. Students new to DTG at Year 13 must contact the H.O.D and demonstrate a willingness to complete some catch up learning.

Students will explore a variety of Digital Concepts and Skills from the curriculum strands of Digital Media, Computer Science and Data Management. There is a Digital Common Assessment Task (DCAT) External in Term 4 (3.10 AS91909)

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Service Industries	Social and Community Service Industries	Creative Industries
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### ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Cr	Int/Ext	Lit/Num	Vocational Pathways					
3.3	Use complex techniques to develop a database	3	4	Int		Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Service Industries	Social and Community Service Industries	Creative Industries
3.4	Use complex techniques to develop a digital media outcome	3	4	Int		Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Social and Community Service Industries	Creative Industries	
3.8	Use complex processes to develop a digital technologies outcome	3	6	Int		Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Service Industries	Social and Community Service Industries	Creative Industries
3.10	Present a reflective analysis of developing a digital outcome	3	3	Ext	L	Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Service Industries	Social and Community Service Industries	Creative Industries
3.7	Use complex techniques to develop a computer program	3	6	Int		Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Service Industries	Social and Community Service Industries	Creative Industries

### Future Employment / Study Pathways

Leads to further study at a variety of Tertiary providers. All NZ Universities have Computer Science and Software Engineering courses. Polytechnics and other tertiary providers such as SIT, YooBee, NZ Broadcasting School, Whiteria College etc have study courses which may be suitable for specialised future employment opportunities such as Digital Media Creation, Game Development, Animation and Web Development. Make an appointment with the CSC Careers staff for more information or search online.

# COURSE TITLE: DRAMA 301

TOTAL CREDITS AVAILABLE: 18-23

LITERACY CREDITS: 13-18

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mrs S Faithfull

Approximate Course Related Costs: \$25 performance costs

### Course Description:

This course builds on the previous year and allows students to develop their use of performance skills on stage. They will experience taking part in a production. They will get the chance to devise (create) their own performances on real life issues. The students will reflect on shows that they have seen as an audience member.

### ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER.

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways							
AS91512	(DRA 3.1) Interpret scripted text to integrate drama techniques in performance.	3	4	I	R								
AS91513	(DRA 3.2) Devise and perform a drama to realise a concept.	3	5	I									
AS91515	(DRA 3.4) Select and use complex performance skills associated with a drama form or period.	3	4	I	R								
AS91517	(DRA 3.6) Perform a substantial acting role in a significant production	3	5	I	R								
AS91520	(DRA 3.9) Direct a drama performance	3	5	I	R								
AS91518	(DRA 3.7) Demonstrate understanding of a live drama performance	3	4	E	W								

### Possible Future Employment / Study Pathways

Further study in Drama and Performing Arts: Careers could include the following. Actor, art director, stage/set designer, stage manager, creative director, teacher, advertising; sales or marketing, production assistant, playwright, scriptwriter, director (film/television/radio/stage), entertainer, radio host, film/television camera operator, film and video editor, make-up artist, media producer, television presenter.



# COURSE TITLE: ECONOMICS 301

TOTAL CREDITS AVAILABLE: 20-24

LITERACY CREDITS: 20-24

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mr P Turnbull

Approximate Course Related Costs: Nil

## Course Description:

This course uses economic models and data to measure and explain the effect on the New Zealand economy of the major economic issues of International Trade, Economic growth, Inflation and Unemployment; how they interact, and how they are affected by government policies.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways					
AS91399	Demonstrate understanding of the efficiency of market equilibrium.	3	4	E	R/W						
AS91402	Demonstrate understanding of government interventions to correct market failure.	3	5	I	R						
AS91400	Demonstrate understanding of the efficiency of different market structures using marginal analysis *.	3	4	E	R/W						
AS91401	Demonstrate understanding of micro-economic concepts	3	5	I	R						
AS91403	Demonstrate understanding of macro-economic influences on the New Zealand economy.	3	6	E	R/W						

## Possible Future Employment / Study Pathways

Further Accounting or Economics study; Careers include; consultancy, auditor, economist, farm management, production manager, stock and station agent, events manager, project manager, journalist, administrator, publishing, accountant, actuary, bank worker, cashier, broker, finance manager, hotel management, insurance agent, office manager, purchasing officer, real estate agent, and valuer.

# COURSE TITLE: ENGLISH 301

TOTAL CREDITS AVAILABLE: 22

UNIVERSITY ENTRANCE LITERACY CREDITS: 8 Reading, 10 Writing

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Miss K Kean

Approximate Course Related Costs: nil

## Course Description:

This course is for those students who have been successful in 201 English. It is a mix of both internal and external standards. It is designed to prepare students for the critical thinking needed for tertiary study.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways					
						Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
AS91472	(ENG 3.1) Respond critically to specified aspect(s) of studied written text(s), supported by evidence	3	4	E	R/W	Orange	Red	Green	Yellow	Purple	Blue
AS91473	(ENG 3.2) Respond critically to specified aspect(s) of studied visual or oral text(s), supported by evidence	3	4	E	W	Orange	Red	Green	Yellow	Purple	Blue
AS91475	(ENG 3.4) Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	3	6	I	W	Orange	White	Green	Yellow	Purple	Blue
AS91476	(ENG 3.5) Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas AND/OR	3	3	I		Orange	Red	Green	Yellow	Purple	Blue
AS91478	(ENG 3.7) Respond critically to significant connections across texts, supported by evidence	3	4	I		Orange	White	Green	Yellow	Purple	Blue
AS91479	(ENG 3.8) Develop an informed understanding of literature and/or language using critical texts	3	4	I	R	Orange	White	Green	Yellow	Purple	Blue

## Possible Future Employment / Study Pathways

Careers could include teaching, law, secretary, personal assistant, actor, author, entertainer, editor, interpreter, librarian, television, curator, historian, psychologist, advertising, ESOL teacher, journalist, researcher, marketing, producer, speech therapist, translator.

# COURSE TITLE: ENGLISH 302

TOTAL CREDITS AVAILABLE: 20 (Maximum)

UNIVERSITY ENTRANCE LITERACY CREDITS: 4 Reading, 6 Writing, plus credits from Level 2 if required

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Miss K Kean

Approximate Course Related Costs: nil

### Course Description:

This course is for those students who have completed the 202 English course or who have not met the prerequisites for 301. It is all internal standards.

### ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways					
						Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
AS91475	(ENG 3.4) Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas OR	3	6	I	W	Orange	White	Green	Yellow	Purple	Blue
AS91101	(ENG 2.4) Produce a selection of crafted and controlled writing (If not completed in Yr 12)	2	6	I	W	Orange	Red	Green	Yellow	Purple	Blue
AS91476	(ENG 3.5) Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas	3	3	I		Orange	Red	Green	Yellow	Purple	Blue
AS91477	(ENG 3.6) Create a fluent and coherent visual text which develops, sustains, and structures ideas using verbal and visual language	3	3	I		Orange	White	Green	Yellow	Purple	Blue
AS91478	(ENG 3.7) Respond critically to significant connections across texts, supported by evidence	3	4	I		Orange	Red	Green	Yellow	Purple	Blue
AS91479	(ENG 3.8) Develop an informed understanding of literature and/or language using critical texts	3	4	I	R	Orange	White	Green	Yellow	Purple	Blue
AS91480	(ENG 3.9) Respond critically to significant aspects of visual and/or oral text(s) through close reading, supported by evidence	3	3	I		White	White	White	Yellow	White	White

### Possible Future Employment / Study Pathways

Careers could include teaching, law, secretary, personal assistant, actor, author, entertainer, editor, interpreter, librarian, television, curator, historian, psychologist, advertising, ESOL teacher, journalist, researcher, marketing, producer, speech therapist, translator.

# COURSE TITLE: ENGLISH AS A SECOND LANGUAGE (ESOL)

TOTAL CREDITS AVAILABLE: 66 (across Levels 1-3)

UNIVERSITY ENTRANCE LITERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Miss C Burgess

Course Costs: Nil

### Course Description:

Senior students have access to a multi-level, mixed ability class. The students in this class will be migrants, exchange students and International Fee Paying students. Along with specific teaching of listening, speaking, reading and writing in English, students will have access to a range of ESOL Unit Standards and individual extra support for their other curriculum areas.

### ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways					
US27982	Read and understand basic texts on very familiar topics	1	8	I							
US27996	Write basic texts on very familiar topics	1	8	I							
US27988	Participate in basic spoken personal exchanges	1	10	I							
US27983	Read and understand simple texts on familiar topics	2	8	I							
US27993	Participate in simple spoken instructional interactions	2	5	I							
US28000	Write texts for practical purpose	2	7	I							
US208056	Read and understand texts on familiar topics	3	5	I							
US28068	Write texts on familiar topics	3	5	I							

### Possible Future Employment / Study Pathways

Study of English as a second language is vital for continued success at secondary school and possibly tertiary level. It is also of enormous importance for students to develop the language skills required to participate in a positive way in New Zealand society.

# COURSE TITLE: FOOD & NUTRITION 301

TOTAL CREDITS AVAILABLE: 18

UNIVERSITY ENTRANCE LITERACY CREDITS: 18

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Miss S Dickie

Approximate Course Related Costs: \$140

## Course Description:

**Prerequisite:** 201 FOD or by HOD discretion.

This UE course offers Achievement Standards from the Home Economics curriculum. It focuses on Nutritional issues within New Zealand and the well-being of our society.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways							
AS91466	(HOM 3.1) Home Economics: Investigate a nutritional issue affecting the well-being of New Zealand society	3	5	I	R								
AS91469	(HOM 3.4) Investigate the influence of multinational food corporations on eating patterns in New Zealand	3	5	I	R								
AS91471	(HOM 3.6) Analyse the influence of food advertising on well-being	3	4	Ext	W								
AS91470	(HOM 3.5) Evaluate conflicting nutritional information relevant to well-being in New Zealand society.	3	4	Ext	Both W or R								

## Possible Future Employment / Study Pathways

Further study in Food and Nutrition: Possible careers include: baker, brewer, butcher, cafe worker, cafe/restaurant manager, care worker, chef, chef in Services (Army/Navy/Airforce), child care educator, cook, dietitian, fitness instructor, food technologist, food and beverage factory worker, health promotions, hotel manager, meat/seafood process worker, meat inspector, nurse, nutritionist, teacher.

# COURSE TITLE: FRENCH 301

TOTAL CREDITS AVAILABLE: 24

LITERACY CREDITS: 0

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mr JEGOUSSE

Approximate Course Related Costs: \$20 Education perfect

### Course Description:

Students studying French will explore the French language and culture through reading, writing, listening, speaking, viewing and presenting. In learning languages, students learn to communicate in an additional language, develop their capacity to learn further languages, and explore different world views in relation to their own. Level 3 French looks at the student and how they interact in the wider world.

### ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways							
AS91543	Demonstrate understanding of a variety of extended spoken French texts	3	5	E									
AS91544	Give a clear spoken presentation in French that communicates a critical response to stimulus material	3	3	I									
AS91545	Interact clearly using spoken French to explore and justify varied ideas and perspectives in different situations	3	6	I									
AS91546	Demonstrate understanding of a variety of extended written and/or visual French texts	3	5	E									
AS91547	Write a variety of text types in clear French to explore and justify varied ideas and perspectives	3	5	I									

### Possible Future Employment / Study Pathways

Customs officer, foreign policy officer, immigration officer, interpreter, teacher, social worker, speech therapist, ESOL teacher, translator, air traffic controller, cafe/restaurant manager, check-in agent, cook, flight attendant, importer/exporter, maitre d'hotel, diplomat, travel agent.

# COURSE TITLE: Sustainable Landscapes

TOTAL CREDITS AVAILABLE: 20

LITERACY CREDITS: 15

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mrs A Keown & Mr T Pryde

Approximate Course Related Costs: \$65 (Field Trips)

### Course Description:

Sustainable landscapes focuses on people and sustainable relationships with the natural resources in the environment. The course includes both Geography and Education for Sustainability standards.

### ACHIEVEMENT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways							
AS91735	Evaluate measures that may be taken to sustain and/or improve a biophysical environment	3	4	I	R								
AS 90832	Develop a strategy for an organisation that will contribute to a sustainable future	3	5	I	R								
AS91428	(GEO 3.3) Analyse a significant contemporary event from a geographic perspective	3	3	I	R								
AS91429	(GEO 3.4) Demonstrate understanding of a given environment(s) through selection and application of geographic skills and concepts	3	4	E	R/W								
AS91430	(GEO 3.5) Conduct geographic research with consultation	3	5	I									
AS91431	(GEO 3.6) Analyse aspects of a contemporary geographic issue.	3	3	I	R								

### Possible Future Employment / Study Pathways

Further Geography/Geology study; Careers include; work in the resource management field, e.g. local government (city, district & regional councils), government departments (e.g. Department of Conservation, Ministry for Primary Industries, Ministry for the Environment), work in the tourism industry, Customs Officer. Sustainability in all industries is a growth area with a myriad of positions becoming available.

# COURSE TITLE: HISTORY 301

TOTAL CREDITS AVAILABLE: 31 (not all offered - maximum of 2 externals recommended)

LITERACY CREDITS: 31

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mrs A Johnstone

Approximate Course Related Costs: Nil

## Course Description:

In-depth study of an historical trend to develop research skills, analyse historical narrative and evidence, and consider different historical perspectives. These skills build upon core skills learnt in Level 1 and 2, but can be picked up by students new to the subject. Students can gain UE before external exams. It is recommended that students prepare for no more than two of the external exams, though all three will taught to provide choice.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways					
AS91434	(HIS 3.1) Research an historical event or place of significance to New Zealanders, using primary and secondary sources	3	5	I	R						
AS91435	(HIS 3.2) Analyse an historical event, or place, of significance to New Zealanders	3	5	I	R						
AS91436	(HIS 3.3) Analyse evidence relating to an historical event of significance to New Zealanders	3	4	E	R/W						
AS91437	(HIS 3.4) Analyse different perspectives of a contested event of significance to New Zealanders	3	5	I	R						
AS91438	(HIS 3.5) Analyse the causes and consequences of a significant historical event	3	6	E	R/W						
AS91439	(HIS 3.6) Analyse a significant historical trend and the force(s) that influenced it.	3	6	E	R/W						

## Possible Future Employment / Study Pathways

Further History study; Careers include; archivist, librarian, copywriter, director (film, television, radio/stage), editor, scriptwriter, university lecturer, teacher, journalist, administrator, publishing, advertising, barrister (law), foreign policy, travel agent, historian, legal executive, market research analyst, career in services (army, navy, airforce), project manager.



# COURSE TITLE: MĀORI 301

TOTAL CREDITS AVAILABLE: 28

LITERACY CREDITS: 28

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Ms Knowles

Approximate Course Related Costs: \$20

## Course Description:

Students studying Te Reo Māori will explore the Maori language and culture through pānui (reading), tuhituhi (writing), whakarongo (listening), korero (speaking), mātaki (viewing) and presenting. In learning languages, students learn to communicate in an additional language, develop their capacity to learn further languages, and explore different world views in relation to their own. Level 1 Māori looks at the immediate world of the student.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways							
91650	Whakarongo kia mohio ki te reo Maori o te ao whanui	3	4	I	L								
91651	Korero kia whakamahi i te reo Maori o te ao whanui	3	6	I	L								
91652	Panui kia mohio ki te reo Maori o te ao whanui	3	6	E	L								
91653	Tuhi i te reo Maori o te ao whanui	3	6	E	L								
91654	Waihanga tuhinga whai take i te reo Maori o te ao whanui	3	6	I	L								

## Possible Future Employment / Study Pathways

Customs officer, foreign policy officer, immigration officer, teacher (main-stream), teacher (bi-lingual), teacher (kura kaupapa), social worker, speech-language therapist, teacher of English to speakers of other languages, diplomat, travel agent, Television Presenter, Broadcaster, Author, Artist, Medical Practitioner,

# COURSE TITLE: MATHEMATICS - CALCULUS 301

TOTAL CREDITS AVAILABLE: 22

LITERACY CREDITS: 0

NUMERACY CREDITS: 22

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mr C Jones

Approximate Course Related Costs: \$12 revision books

### Course Description:

Mathematics with Calculus follows on from Level 2 Mathematics, in particular the algebra, solving equations and calculus topics. It is an algebraic rich course that requires no written explanations. Most problems are theoretical so there are very few word problems and every question has an exact and simple answer.

### ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE lit	Vocational Pathways					
AS91575	(MATS3.3) Apply trigonometric methods in solving problems	3	4	I		Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
AS91574	(MATS3.2) Apply linear programming methods in solving problems	3	3	I		Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
AS91578	(MATS3.6) Apply differentiation methods in solving problems	3	6	E		Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
AS91579	(MATS3.7) Apply integration methods in solving problems	3	6	E		Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
AS91587	(MATS3.15) Apply systems of simultaneous equations in solving problems	3	3	I		Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries

### Possible Future Employment / Study Pathways

Mathematics with Calculus is needed for students who wish to study engineering or sciences, particularly physics, at University. However, the skills and techniques covered in this course can be applied to a wide area of study from architecture to health sciences, economics to computer science.

# COURSE TITLE: MATHEMATICS - STATISTICS 301

TOTAL CREDITS AVAILABLE: 20

LITERACY CREDITS: 0

NUMERACY CREDITS: 20

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mr C Jones

Approximate Course Related Costs: \$20 workbooks

## Course Description:

Level 3 Statistics follows on from Level 2 Statistics although students who succeeded in Level 2 Mathematics and also a literacy rich subject are able to pick up this course. Each internally assessed standard uses computers to analyse a different type of data set. Each assessment requires research to be done and a statistical report to be written, this will typically be 8 pages long. This is a highly literate subject, even the externally assessed standards have some questions that require written paragraphs.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways				
AS91581	(MATS 3.9) Investigate bivariate measurement data	3	4	I						
AS91580	(MATS 3.8) Investigate time series data	3	4	I						
AS91582	(MATS 3.10) Use statistical methods to make a formal inference	3	4	I						
AS91583	(MATS 3.11) Conduct an experiment to investigate a situation using experimental design principles	3	4	I						
AS91586	(MATS 3.14) Apply probability distributions in solving problems	3	4	E						

## Possible Future Employment / Study Pathways

Mathematics with Statistics is a useful course to take alongside biology or the social sciences. The skills covered allow students to do a meaningful analysis of a data set and make valid conclusions. Statistics is needed for many subjects: psychology, biology, engineering, management, marketing, medicine, sociology, education, geography, geology, law and journalism. It also widens the possibilities in the study of arts subjects such as History and English.

# COURSE TITLE: MUSIC 301

TOTAL CREDITS AVAILABLE: 20-28

LITERACY CREDITS: 4

NUMERACY CREDITS:

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mrs J Kynan-Wilde

Approximate Course Related Costs: \$20 materials

### Course Description:

This course develops the skills from Year 12. A course will be chosen which includes performance (both solo and group) and/or composition based programme together with a music research paper and music arranging. At this level strong leadership is expected in the School's co-curricular music programme.

### ACHIEVEMENT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways					
AS91424	(MUS 3.9) Research and a music topic	3	4	I	R						
AS91418	(MUS 3.3) Demonstrate ensemble skills by performing two substantial piece of music as a member of a group	3	4	I							
AS91425	(MUS 3.10) Create two arrangements for an ensemble	3	6	I							
AS91416	(MUS3.1) Perform two programmes of music as a featured soloist	3	8	I							
AS91417	(MUS 3.2) Perform a programme of music as a featured soloist on a second instrument	3	4	I							
AS91419	(MUS 3.4) Communicate musical intention by composing three original pieces of music	3	8	I							
AS91422	(MUS 3.7) Analyse a substantial music work	3	4	E	L						
AS91421	(MUS 3.6) Demonstrate understanding of harmonies and tonal conventions in a range of music scores	3	4	E							

### Possible Future Employment / Study Pathways

Further music study;, Music 301 Careers include; – Orchestras, Bands, Military or service bands, Choirs, Rock bands, soloists, both vocal and instrumental, Conductors. Music Tech – sound engineering, recording, Theatre Sound engineering, electronic and digital music. Music composition and arranging, advertising, Movie and T.V. industry. Teacher. Instrumental repairs – specialist or general instrument repairs, piano tuner, Music Administration - events management, events financial management, Orchestra or band management.

# COURSE TITLE: PHYSICAL EDUCATION 301

TOTAL CREDITS AVAILABLE: 18

LITERACY CREDITS: 22

NUMERACY CREDITS: 4

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mr T Meechang

Approximate Course Related Costs: \$350

## Course Description:

Physical Education is a subject which will challenge you academically, physically and socially. It is expected that you can learn and further develop a range of life skills, which you will find useful both now and beyond your time at school. This year you can expect to learn about and participate in; Risk management assessment experiences, cycle ways mountain biking, rock climbing, kayaking, fitness programming, Biomechanical analysis of a chosen skill, Analyse a current event. The ratio of practical to theory is 30/70.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways								
AS91498	(PHED) 3.1- Evaluate physical activity experiences to devise strategies for lifelong well-being	3	4	I										
AS91499	(PHED)3.2 – Analyse a skill performed by self or others	3	3	I										
AS91500	(PHED3.3) – Evaluate the effectiveness of a performance improvement programme	3	4	I										
AS91501	(PHED3.4) – Demonstrate quality performance of a physical activity in an applied setting	3	4	I										
AS91502	(PHED3.5) – Examine a current physical activity event, or issue and its impact on NZ society	3	4	I	R									
AS91504	(PHED3.7) – Analyse issues in safety management for outdoor activity to devise safety management strategies	3	3	I										

## Future Employment / Study Pathways:

Tertiary study, accountant, army soldier, chef, events manager, hairdresser, journalist, purchasing officer, sales rep, health and services manager, ambulance officer, firefighter, lab technician, midwife, police officer, security guard, teacher and many more...

# COURSE TITLE: PHYSICS 301

TOTAL CREDITS AVAILABLE: 19

LITERACY CREDITS: 19

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mr C Knapp

Approximate Course Related Costs: N/A

**Course Description:**

This course involves studying Waves and Light, Electricity, Mechanics and Practical Physics to a higher level, building on concepts taught in 201 Physics.

**Prerequisite: Physics 201**

**ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER**

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways					
AS91524	(PHY 3.4) Demonstrate understanding of mechanical systems	3	6	E							
AS91521	(PHY 3.1) Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	3	4	I							
AS91525	(PHY 3.5) Demonstrate understanding of Modern Physics	3	3	I							
AS91526	(PHY 3.6) Demonstrate understanding of electrical systems	3	6	E							

**Possible Future Employment / Study Pathways**

Further Physics and Science study; Many careers in Science and Technology including Engineering and Pre-Medical Courses.

# COURSE TITLE: TECHNOLOGY HARD MATERIALS 301

TOTAL CREDITS AVAILABLE: 16 - 22

LITERACY CREDITS:

NUMERACY CREDITS:

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mr K Maher

Approximate Course Related Costs: \$50

### Course Description:

A theory and practical based subject. Students work through two Unit Standards and three Achievement Standards that are based around practical projects.

### ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways					
						Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
AS91608	(TECH 3.1) Undertake brief development to address an issue within a determined context	3	4	I	L1 Lit	Orange	Red	White	Yellow	White	White
AS91610	(TECH 3.3) Develop a conceptual design considering fitness for purpose in the broadest sense	3	6	I	L1 Lit	Orange	Red	Green	Yellow	White	White
AS91611	(TECH 3.4) (Optional) Develop a prototype considering fitness for purpose in the broader sense	3	6	I	L1 Lit	Orange	Red	Green	Yellow	White	White
AS91620	(CMT 3.20) Implement complex procedures to integrate parts using resistant materials to make a specified product	3	6	I		Orange	Red	White	Yellow	White	White

### Possible Future Employment / Study Pathways

Tertiary based education.

Graphics (Design and Visual Communication)

Engineering.

# COURSE TITLE: TEXTILE DESIGN TECHNOLOGY 301

TOTAL CREDITS AVAILABLE: 16 - 22

LITERACY CREDITS: 0

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mrs K Hammond

Approximate Course Related Costs: \$55 (Covers all supplies required)

**Course Description:** Concept and prototype development, use of planning tools, project management, and the construction of items and garments to meet design specifications. **Prerequisite:** Textile Design Technology 201.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways						
AS 91623	(TECH 3.23) Technology: Implement complex procedures to create an applied design for a specified product	3	4	I								
AS 91621	(TECH 3.21) Technology: Implement complex procedures using textile materials to make a specified product.	3	6	I								
AS 91626	(TECH 3.26) Technology: Draft a pattern to interpret a design for a garment	3	6	I								
US 6700	Optional Home and Life Science: Prepare for and construct a textile item for a specified purpose	3	6	I								

## Possible Future Employment / Study Pathways

Further study in Technology, Design or Textiles. Careers include; A wide range of technology related careers as well as specific textile related careers. Pattern maker, interior designer, sewing machinist, wardrobe manager, tailor, upholster, clothing, fashion or costume designer



# COURSE TITLE: TEXTILE DESIGN TECHNOLOGY 302

TOTAL CREDITS AVAILABLE: 18 - 22

LITERACY CREDITS: 0

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mrs K Hammond

Approximate Course Related Costs: \$55 (Covers all supplies required)

### Course Description:

Concept and prototype development, use of planning tools, project management, and the construction of items and garments to meet design specifications. This course has a practical focus. Textiles 201 or Textiles 202 preferred but not required to enter this course.

### ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways						
US6700	Home and Life Science: Prepare for and construct a textile item for a specified purpose	3	6	I								
US6699	Home and Life Science: Prepare for and construct a textile item for a formal occasion	3	6	I								
US6701	Home and Life Science: Prepare for and construct a garment from special fabric	3	6	I								
AS91623	OPTIONAL (TECH 3.23) Technology: Implement complex procedures to create an applied design for a specified product	3	4	I								

### Possible Future Employment / Study Pathways

Further study in Technology, Design or Textiles. Careers include; A wide range of technology related careers as well as specific textile related careers. Pattern maker, interior designer, sewing machinist, wardrobe manager, tailor, upholster, clothing, fashion or costume designer

# COURSE TITLE: TOURISM 301

TOTAL CREDITS AVAILABLE: 22

LITERACY CREDITS: 0

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Mr T Pryde

Approximate Course Related Costs: \$40 (Workbooks)

## Course Description:

This course is intended to provide the introductory skills for use in the travel and tourism industry. It is designed as preparation for students wishing to complete further qualifications in the field. This table shows the Level 2 & 3 Unit Standards on offer in the second year of the course. This should be read in conjunction with the 201 course.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways						
US24727	Describe and compare the impacts of tourism on the physical environment	2	3	I								
US3727	Demonstrate knowledge of Pacific Island countries as tourist destinations	3	5	I								
US18211	Demonstrate knowledge of Australia as a tourist destination	3	5	I								
US24725	Describe and analyse the economic significance of tourism	3	4	I								
US24733	Describe and promote a New Zealand tourist destination	3	5	I								

## Possible Future Employment / Study Pathways

Further study at places such as the NZ School of Tourism, SIT, etc. Careers include; Flight attendant, Cafe worker, Casino work, work in the Hospitality industry, work in the Accommodation industry, Visitor Information Officer, Tour Guide, Events Manager, Travel Agent, work in almost any part of the tourism industry (including industries which service the tourism industry).

# COURSE TITLE: VISUAL ARTS - DESIGN 301

TOTAL CREDITS AVAILABLE: 18

LITERACY CREDITS: 0

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Miss A Carr

Approximate Course Related Costs: \$90 materials

### Course Description:

The study of Visual Arts will enable students to develop skills and techniques in a variety of media. Level 3 Visual Arts is based on the student's choice of topic and theme. No prerequisite to this course, however, Art, DVC or DTG as a prior is beneficial.

### ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways						
AS91445	(ARD 3.2) Use drawing to demonstrate understanding of conventions appropriate to design	3	4	I								
AS91455	(ARD 3.3) Produce a systematic body of work that integrates conventions and regenerates ideas within design practice	3	14	E								

There is an opportunity for a further 4 internal credits in 3.3 if you have completed these two standards. This is optional and at the Teacher's discretion.

### Possible Future Employment / Study Pathways

Further Visual Arts study; Careers include; Architect, advertising director, clothing or fashion designer, curator, costume designer, director, entertainer, events manager, illustrator, graphic designer, marketing, publishing, web designer, set designer.

# COURSE TITLE: VISUAL ARTS - PAINTING 301

TOTAL CREDITS AVAILABLE: 18

LITERACY CREDITS: 0

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Miss A Carr

Approximate Course Related Costs: \$90 materials

### Course Description:

The study of Visual Arts will enable students to develop skills and techniques in a variety of media. Level 3 Visual Arts is based on the student's choice of topic and theme. Level 2 Art must have been taken to take this course.

### ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways						
AS91446	(ARP 3.2) Use drawing to demonstrate understanding of conventions appropriate to painting	3	4	I								
AS91456	(ARP 3.3) Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice	3	14	E								

There is an opportunity for a further 4 internal credits in 3.3 if you have completed these two standards. This is optional and at the Teacher's discretion.

### Possible Future Employment / Study Pathways

Further Visual Arts study; Careers include; Architect, advertising director, clothing or fashion designer, curator, costume designer, director, entertainer, events manager, illustrator, graphic designer, marketing, publishing, web designer, set designer.

# COURSE TITLE: VISUAL ARTS - PHOTOGRAPHY 301

TOTAL CREDITS AVAILABLE: 18

LITERACY CREDITS: 0

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Miss A Carr

Approximate Course Related Costs: \$90 materials

## Course Description:

The study of Visual Arts will enable students to develop skills and techniques in a variety of media. Level 3 Visual Arts is based on the student's choice of topic and theme. Should have taken an Art in level 2 to take this course.

## ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways					
AS90664	(ARTP 3.2) Use drawing to demonstrate understanding of conventions appropriate to photography	3	4	I							
AS90668	(ARTP 3.4) Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice	3	14	E							

There is an opportunity for a further 4 internal credits in 3.3 if you have completed these two standards. This is optional and at the Teacher's discretion.

## Possible Future Employment / Study Pathways

Further Visual Arts study; Careers include; Architect, advertising director, clothing or fashion designer, curator, costume designer, director, entertainer, events manager, illustrator, graphic designer, marketing, publishing, web designer, set designer

# COURSE TITLE: VISUAL ART - PRINTMAKING 301

TOTAL CREDITS AVAILABLE: 22

LITERACY CREDITS: 0

NUMERACY CREDITS: 0

Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
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Teacher in Charge: Miss A Carr

Approximate Course Related Costs: \$120 materials

### Course Description:

The study of Visual Arts will enable students to develop skills and techniques in a variety of media. Level 3 Visual Arts is based on the student's choice of topic and theme. Level 2 Art must have been taken to take this course.

### ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	UE Lit	Vocational Pathways							
AS91448	ARPR3.2: Use drawing to demonstrate understanding of conventions appropriate to Printmaking	3	4	I									
AS91453	ARPR3.3: Systematically clarify ideas using drawing informed by established printmaking practice	3	4	I									
AS91458	ARPR 3.4: Produce a systematic body of work that integrates conventions and regenerates ideas within printmaking practice	3	14	E									

### Possible Future Employment / Study Pathways

Further Visual Arts study; Careers include; Architect, Advertising Director, Clothing or Fashion Designer, Curator, Costume Designer, Director, Entertainer, Events Manager, Illustrator, Graphic Designer, Marketing, Publishing, Web Designer, Set Designer.







