



YEAR 11 - 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?

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

Each page is laid out to give you an overview of the different subjects CSC will be offering in 2020. 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

Careers New Zealand www.careers.govt.nz

Occupation Outlook2015 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

Learning Areas	YEAR 9	YEAR 10	YEAR 11	YEAR 12	YEAR 13
<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 & 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 101

TOTAL CREDITS AVAILABLE: 21

LITERACY CREDITS: 11

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; Mrs F Engel

Approximate Course Costs: \$30 workbooks

Course Description:

The study of Accounting will enable students to understand the process involved in recording, classifying, analysing and interpreting financial information. Level 1 Accounting is based on the financial records of sole traders, individuals and community organisations.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways					
AS90976	(ACC 1.1) Demonstrate understanding of accounting concepts for small entities	1	3	E	L						
AS90977	(ACC 1.2) Process financial transactions for a small entity	1	5	I							
AS90978	(ACC 1.3) Prepare financial information for sole proprietors	1	5	E							
AS90979	(ACC 1.4) Prepare financial information for a community organisation's annual general meeting	1	4	I	L						
AS90980	(ACC 1.5) Interpret accounting information for sole proprietors	1	4	E	L						

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 101

TOTAL CREDITS AVAILABLE: 27

LITERACY CREDITS: 10

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: nil

Course Description:

Agriculture 101 is a selection of Agriculture and Horticulture Science Achievement Standards and Primary ITO Unit Standards. It is designed to give students an introduction to the agricultural industry and is a mixture of both practical skills and theory training. Students are able to obtain course endorsement.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways				
US19139	Gather and record information from a rain gauge, thermometer and barometer; or weather station.	1	1	I						
US19138	Monitor and interpret weather information.	2	5	I						
AS 90920	(AGHO 1.4) Demonstrate knowledge of the geographic distribution of primary production in New Zealand.	1	3	I	L					
US 24832	Open and draw out a coil of wire, tie knots, and prepare wire for transport and storage.	2	5	I						
US 561	Install, dismantle and store temporary electric fences.	2	2	I						
AS 90160	(AGHO 1.5) Demonstrate knowledge of the impact on the environment of primary production management practices.	1	3	I	L					
AS 90157	(AGHO 1.2) Demonstrate practical skills used in agriculture or horticultural production.	1	4	I						
AS 90919	(AGHO 1.3) Demonstrate knowledge of soil management practices.	1	4	E	L					

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 101 - Alternative Option

TOTAL CREDITS AVAILABLE: 23

LITERACY CREDITS: 4

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: nil

Course Description:

Alternative Agriculture 101 is a selection of Agriculture and Horticulture Science Achievement Standards and Primary ITO Unit Standards. It is designed to give students an introduction to the agricultural industry and is a mixture of both practical skills and theory training.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways			
US 27213	Identify and Interpret agrichemical product information, and demonstrate knowledge of safety with agrichemicals.	2	5	Int					
US 19139	Gather and record information from a rain gauge, thermometer and barometer; or weather station.	1	1	Int					
US 19145	Describe hydration, nutrition, and sleep in relation to physical well-being of agriculture workers.	2	4	Int					
US 24832	Open and draw out a coil of wire, tie knots, join wire and prepare wire for transport and storage.	2	5	Int					
US 561	Install, dismantle and store temporary electric fences.	2	2	Int					
US 18193	Demonstrate knowledge of farm dairy design and the effluent system.	2	2	Int					
AS 90157	Demonstrate practical skills used in agriculture or horticultural production.	1	4	Int	Lit				

Possible Future Employment / Study Pathways

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

COURSE TITLE: DESIGN AND VISUAL COMMUNICATION 101

TOTAL CREDITS AVAILABLE: 19

LITERACY CREDITS: 4

NUMERACY CREDITS: 3

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. Students work through the design process to address the given briefs and meet the requirements of the Achievement Standards. Topics are Seating Product Design and Media Design. Incorporated in these design packages is freehand sketching and rendering, creating plans and 3D drawings.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways				
AS 91063	(DVC 1.30) Produce freehand sketches that communicate design ideas	1	3	E						
AS 91066	(DVC 1.33) Use rendering techniques to communicate the form of design ideas	1	3	I						
AS 91067	(DVC 1.34) Use the work of an influential designer to inform design ideas	1	3	I						
AS 91068	(DVC 1.35) Undertake development of design ideas through graphics practice	1	6	I						
AS 91069	(DVC 1.36) Promote an organised body of design work to an audience using visual communication techniques	1	4	I	L					

Possible Future Employment / Study Pathways

Further study in L2 Design and Visual Communication

Careers in all areas of design.

COURSE TITLE: DIGITAL TECHNOLOGIES 101

Digital Media - Computer Science

TOTAL CREDITS AVAILABLE: 20

LITERACY CREDITS: 17

NUMERACY CREDITS: 0

Teacher in Charge: Mr A Gray

Course Related Costs: \$20 - includes 1 Year AdobeCC Subscription

Course Description:

The Level 1 Digital Technologies course is suitable for students new to the DTG subject and continuing on from Year 10..

Students will experience and explore a variety of Digital Concepts and Skills from the areas of Digital Media, Computer Science and Data Management. There is a Digital Common Assessment Task (DCAT) External in Term 4 (1.11 AS91887)

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					
1.1	Create a proposal for a digital outcome	1	3	Int	L						
1.2	Develop design ideas for a digital outcome for a specified purpose and audience	1	3	Int	L						
1.3	Develop a Digital Media Outcome to Manage Data	1	4	Int	L						
1.4	Develop a digital media outcome	1	4	Int	L						
1.7	Construct a basic computer program for a specified task	1	3	Int							
1.11	Demonstrate understanding of compression coding for a selected media type (DCAT)	1	3	Ext	L						

Future Employment / Study Pathways

Leads directly to the revised Level 2 DTG Assessment standards where you will further develop your knowledge and skills in the areas of Coding, Web Development, Game Development, Digital Media/Animation, Computer Science and Data Management.

COURSE TITLE: DRAMA 101

TOTAL CREDITS AVAILABLE: 17

LITERACY CREDITS: 17

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 is designed to build confidence and performance skills in students through participating in acting, script writing, devising, reflecting on live performance choices while learning in a supportive group environment. During the year students will develop their use of performance techniques and explore a range of performance styles. They will also have the opportunity to see live theatre performances.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways					
AS90006	(DRA 1.1) Apply drama techniques in a dramatic context	1	4	I	L						
AS90999	(DRA 1.4) Use features of a Drama/Theatre form in performance	1	4	I	L						
AS90009	(DRA 1.5) Perform an acting role in a scripted production	1	5	I	L						
AS90998	(DRA 1.3) Demonstrate understanding of features of a drama/theatre form	1	4	E	L						

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 101

TOTAL CREDITS AVAILABLE: 20

LITERACY CREDITS: 20

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; Mrs Ballantyne

Approximate Course Related Costs: \$30 workbooks

Course Description:

Economics is the study of how societies try to make the best use of scarce resources. At Level 1. Economics focuses on consumer choices and demand, producers and their use of resources, markets and how they operate and on the interdependence of the New Zealand economy.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways					
AS90983	(ECO 1.1) Demonstrate understanding of consumer choices, using scarcity and/or demand	1	4	E	L						
AS90984	(ECO 1.2) Demonstrate understanding of decisions a producer makes about production	1	5	I	L						
AS90985	(ECO 1.3) Demonstrate understanding of producer choices using supply	1	3	E	L						
AS90988	(ECO 1.4) Demonstrate understanding of the interdependence of sectors of the New Zealand economy	1	3	I	L						
AS90986	(ECO 1.5) Demonstrate understanding of how consumer, producer and/or government choices affect society using market equilibrium	1	5	E	L						

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: ENGLISH 101

TOTAL CREDITS AVAILABLE: 24

LITERACY CREDITS: 18 (+6 optional)

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 K Kean

Approximate Course Related Costs: Nil

Course Description:

This course develops skills from Year 9 and 10 English. It covers all forms of communication including oral, visual and written. Students both analyse and create works. It is a mix of internal and external standards.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways					
AS90849	(ENG 1.1) Show understanding of specified aspect(s) of studied written text(s), using supporting evidence	1	4	E	L						
AS90850	(ENG 1.2) Show understanding of specified aspect(s) of studied visual or oral text(s), using supporting evidence	1	4	E	L						
AS90052	(ENG 1.4) Produce creative writing	1	3	I	L						
AS90053	(ENG 1.5) Produce formal writing (Optional)	1	3	I	L						
AS90857	(ENG 1.6) Construct and deliver an oral text	1	3	I	L						
AS90855	(ENG 1.7) Create a visual text (Optional)	1	3	I	L						
AS90854	(ENG 1.10) Form personal response to independently read texts, supported by evidence	1	4	I	L						

Possible Future Employment / Study Pathways

This course leads on to English 201. Students must pass one external and two/three internals to progress into 201 English.

COURSE TITLE: ENGLISH 102

TOTAL CREDITS AVAILABLE: 20

LITERACY CREDITS: 20

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 K Kean

Approximate Course Related Costs: Nil

Course Description:

This course is for those students who have not reached the required level in Year 10. This course is entirely internal and covers a wide variety of skills. Students are able to complete the required ten literacy credits for Level One.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways					
						Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
AS90052	(ENG 1.4) Produce creative writing	1	3	I	L						
AS90053	(ENG 1.5) Produce formal writing (Optional)	1	3	I	L						
AS90857	(ENG 1.6) Construct and deliver an oral text	1	3	I	L						
AS90855	(ENG 1.7) Create a visual text	1	3	I	L						
AS90852	(ENG 1.8) Explain significant connections across texts	1	4	I	L						
AS90854	(ENG 1.10) Form personal response to independently read texts, supported by evidence	1	4	I	L						
AS90856	(ENG 1.11) Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence	1	3	I	L						
AS90990	(MEDIA STUDIES 1.2) Demonstrate understanding of selected elements of media text(s)	1	3	I	L						

Possible Future Employment / Study Pathways

This course progresses into 202 English. A student who has done exceptionally well may be able to go into 201 English.

COURSE TITLE: ENGLISH AS A SECOND LANGUAGE (ESOL)

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

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 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 AND NUTRITION 101

TOTAL CREDITS AVAILABLE: 18

LITERACY CREDITS: 9

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 Pryde

Approximate Course Related Costs: \$130

Course Description:

This course focuses on knowledge and skills related to nutrition, food preparation, food technology, safe food handling and interpreting nutrition labeling on product packaging.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways							
AS90959	(HOM 1.4) Home Economics: Demonstrate knowledge of practices and strategies to address food handling issues	1	5	I	L								
AS90956	(HOM 1.1) Home Economics: Demonstrate knowledge of and individual's nutritional needs	1	5	I									
AS91082	(TECH 1.60) Technology: Implement basic procedures to process a specific product	1	4	I									
AS90961	(HOM 1.6) Home Economics: Demonstrate understanding of how packaging information influences an individual's food choices and well-being	1	4	E	L								

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 101

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 1 French 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							
AS90878	(FRE 1.1) Demonstrate understanding of spoken French texts on areas of most immediate relevance	1	5	E									
AS90879	(FRE 1.2) Give a spoken presentation in French that communicates a personal response	1	4	I									
AS90880	(FRE 1.3) Interact using spoken French to communicate personal information, ideas and opinions in different situations	1	5	I									
AS90881	(FRE 1.4) Demonstrate understanding of a variety of French texts on areas of most immediate relevance	1	5	E									
AS90882	(FRE 1.5) Write a variety of text types in French on areas of most immediate relevance	1	5	I									

Possible Future Employment / Study Pathways

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

COURSE TITLE: FUTURES

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: Mrs F Engel

Approximate Course Related Costs: Nil

Course Description:

Futures offers a supportive learning environment for students working toward NCEA Level 1 and NCEA Level 2. The course is designed for Year 11 and Year 12 students to give them life skills and prepare them for the world of work. Futures allows students to prepare for employment, training or tertiary study at Certificate level including foundation programmes. This is a two year program.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways					
US 101	Develop and use keyboarding skills to enter text	1	3	I							
US 102	Consolidate keyboarding skills and produce accurate text based documents	1	3	I							
US 4249	Demonstrate care and timeliness as an employee	1	4	I							
US 4252	Produce a targeted CV	2	2	I							
US 7127	Exercise informed choice in deciding on a major goods or services purchase	3	2	I							
US 3465	Describe driving hazards and risk reduction strategies and responses to driving hazards	2	3	I							
US 4253	Demonstrate knowledge of job search skills	2	3	I							
US 12349	Demonstrate knowledge of time management	2	3	I							
US 10780	Complete a work experience placement	2	3	I							
US 1280	Use graphics in communication	2	2	I							
AS 28094	Produced a balanced household budget and adjust the budget to reflect changing financial circumstances.	2	3	I							
US 12354	Describe legal implications of living in rented accommodation and means to prevent and resolve related problems.	2	4	I							
US 24695	Explain taxation and other deductions relating to personal income.	2	2	I							
US 28097	Analyse and select banking products and services in relation to personal finances	2	3	I							
US 9677	Communicate in a team or group which has an objective	2	3	I							

COURSE TITLE: GEOGRAPHY 101

TOTAL CREDITS AVAILABLE: 22

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 Pryde

Approximate Course Related Costs: \$25 (Workbook)

Course Description:

Geography focuses on people and their relationship with the environment. At Level 1 the focus is on how extreme natural events occur and how people respond to them, and on the characteristics of the population of a country.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways							
AS91007	(GEO 1.1) Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s)	1	4	E	L								
AS91008	(GEO 1.2) Demonstrate geographic understanding of population concepts	1	3	E	L								
AS91009	(GEO 1.3) Demonstrate geographic understanding of differences in development	1	4	I	L								
AS91010	(GEO 1.4) Apply concepts and basic geographic skills to demonstrate understanding of a given environment	1	4	E	L								
AS91011	(GEO 1.5) Conduct geographic research, with direction	1	4	I	L/ N								
AS91013	(GEO 1.7) Describe aspects of a geographic topic at a global scale	1	3	I	L								

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.

COURSE TITLE: HISTORY 101

TOTAL CREDITS AVAILABLE: 24

LITERACY CREDITS: 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: MrsJ Cowie

Approximate Course Related Costs: Nil

Course Description:

An introduction to Historical study, with a focus on research and communication skills. This course covers a range of historical contexts both in New Zealand and throughout the world.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways							
AS91001	(HIS 1.1) Carry out an investigation of an historical event, or place, of significance to New Zealanders	1	4	I	L								
AS91002	(HIS 1.2) Demonstrate understanding of an historical event, or place, of significance to New Zealanders	1	4	I	L								
AS91003	(HIS 1.3) Interpret sources of an historical event of significance to New Zealanders	1	4	E	L								
AS91004	(HIS 1.4) Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders	1	4	I	L								
AS91005	(HIS 1.5) Describe the causes and consequences of an historical event	1	4	E	L								
AS91006	(HIS 1.6) Describe how a significant historical event affected New Zealand society	1	4	E	L								

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: MAORI 101

TOTAL CREDITS AVAILABLE: 30

LITERACY CREDITS: 30

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 F 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							
AS91085	Whakarongo kia mōhio ki te reo o tōna ao	1	6	I	L								
AS91086	Kōrero kia whakamahi i te reo o tōna ao	1	6	I	L								
AS91089	Waihanga tuhinga i te reo o tōna ao	1	6	I	L								
AS91088	Tuhi i te reo o tōna ao	1	6	E	L								
AS91087	Panui kia mohio ki te reo o tona ao	1	6	E	L								

Possible Future Employment / Study Pathways

Customs officer, foreign policy officer, immigration officer, teacher, social worker, speech-language therapist, teacher of English to speakers of other languages, diplomat, travel agent.

COURSE TITLE: MATHEMATICS 101

TOTAL CREDITS AVAILABLE: 19

LITERACY CREDITS: 0

NUMERACY 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: Mr C Jones

Approximate Course Related Costs: \$24 revision books

Course Description:

Mathematics is compulsory at Level 1 as it is the main way students can earn their 10 Numeracy credits.

Mathematics 101 builds on each of the topics covered in Year 10 and introduces new concepts in algebra, trigonometry and graphing. It is suitable for students who have a strength in Mathematics. Students who choose this subject should have scored Level 5 or better in most of their Year 10 assessments.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways							
AS91026	(MATS1.1) Apply numeric reasoning in solving problems	1	4	I	N	Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries		
AS91027	(MATS1.2) Apply algebraic procedures in solving problems	1	4	E	N	Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries		
AS91028	(MATS1.3) Investigate relationships between tables, equations and graphs	1	4	E	N	Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries		
AS91032	(MATS1.7) Apply right-angled triangles in solving measurement problems	1	3	I	N	Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries		
AS91037	(MATS1.12) Demonstrate understanding of chance and data	1	4	E	N			Primary Industries	Creative Industries				Service Industries

Possible Future Employment / Study Pathways

Mathematics 101 leads to Level 2 Mathematics or Level 2 Statistics. The skills covered in this course are also needed if you wish to study commerce, science or social sciences at a higher level. Level 1 Mathematics counts towards every vocational pathway.

COURSE TITLE: MATHEMATICS 102

TOTAL CREDITS AVAILABLE: 12

LITERACY CREDITS:3

NUMERACY CREDITS: 12

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: \$0

Course Description:

Mathematics is compulsory at Level 1 as it is the main way students can earn their 10 Numeracy credits.

Mathematics 102 focuses more on mathematical skills that are needed in everyday life. This course aims to get students their 10 Numeracy credits. Students who choose this subject will find Mathematics very challenging, they should have scored Level 4 in most of their Year 10 assessments.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways							
AS91026	(MATS1.1) Apply numeric reasoning in solving problems	1	4	I	N	Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries		
AS91030	(MATS1.5) Apply measurement in solving problems	1	3	I	N	Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries		
AS91034	(MAT 1.9) Apply transformation geometry in solving problems	1	2	I	N		Manufacturing and Technology Industries	Primary Industries					Service Industries
AS91038	(MATS1.13) Investigate a situation involving elements of chance	1	3	I	L/N				Creative Industries				

Possible Future Employment / Study Pathways

Mathematics 102 does not lead to the Level 2 mathematics or statistics. Students who do well in this course can progress to other level 1 mathematics or statistics courses. The skills covered in this course cover a lot of practical mathematics that are needed for everyday life and in most work-places. Level 1 Mathematics counts towards every vocational pathway.

COURSE TITLE: MATHEMATICS WITH STATISTICS 101

TOTAL CREDITS AVAILABLE: 21

LITERACY CREDITS: 7

NUMERACY CREDITS: 21

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: \$6 revision books

Course Description:

Mathematics is compulsory at Level 1 as it is the main way students can earn their 10 Numeracy credits.

Statistics 101 builds on some of the topics covered in Year 10 and introduces new concepts in statistic and probability. It is suitable for students who are competent mathematicians. Students who choose this subject should have scored Level 5 in most of their Year 10 assessments.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways							
AS91026	(MATS1.1) Apply numeric reasoning in solving problems	1	4	I	N	Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries		
AS91030	(MATS1.5) Apply measurement in solving problems	1	3	I	N	Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries		
AS91032	(MATS1.7) Apply right-angled triangles in solving measurement problems	1	3	I	N	Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries		
AS91035	(MATS1.10) Investigate a given multivariate data set using the statistical enquiry cycle	1	4	I	L/N		Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries		
AS91036	(MATS1.11) Investigate bivariate numerical data using the statistical enquiry cycle	1	3	I	L/N		Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries		
AS91037	(MATS1.12) Demonstrate understanding of chance and data	1	4	E	N			Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries		

Possible Future Employment / Study Pathways

Statistics 101 leads to Level 2 and 3 Statistics. The skills covered in this course cover a lot of practical mathematics that are needed for everyday life and in most work-places. As well as laying down a foundation for further study in the areas of statistics and probability. Level 1 Mathematics counts towards every vocational pathway.

COURSE TITLE: MUSIC 101

TOTAL CREDITS AVAILABLE: 20-28

LITERACY CREDITS: 6

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 J Kynan-Wilde

Approximate Course Related Costs: \$20 materials

Course Description:

Level 1 Music provides a basic understanding of solo and group performance, composition and looking closely at Music Scores. Students need to have a teacher for their performance instrument or voice, and should participate in some form of extra-curricular activity, such as a band, choir or production.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways				
AS91090	(MUS 1.1) Perform two pieces of music as a featured soloist	1	6	I						
AS91091	(MUS 1.2) Demonstrate ensemble skills by performing as a member of a group	1	4	I						
AS91092	(MUS 1.3) Compose two original pieces of music	1	6	I						
AS91095	(MUS 1.6) Demonstrate knowledge of two music works from contrasting contexts	1	6	I	L					
AS91093	(MUS 1.4) Demonstrate notation skills through transcription	1	4	E						
AS91094	(MUS 1.5) Demonstrate knowledge of conventions used in music scores	1	4	E	L					
US27656	Demonstrate and apply introductory knowledge of music technology equipment and techniques	1	4	I						

Possible Future Employment / Study Pathways

Further music study; Music 201, 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, piano tuner, music administration - events management, events financial management, Orchestra or band management.

COURSE TITLE: PHYSICAL EDUCATION 101

TOTAL CREDITS AVAILABLE: 21

LITERACY CREDITS: 21

NUMERACY CREDITS: Nil

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: \$30

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; Athletics, Volleyball, Sport involvement, Anatomy, Biomechanics, Physiology, participate in a Duathlon and have a "Sporting experience" trip to Invercargill. The ratio of practical to theory is 60/40.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways							
AS90962	(PHED1.1) Participate actively in a variety of physical activities and explain factors that influence own participation	1	5	I	L								
AS90963	(PHED1.2) Demonstrate understanding of the function of the body as it relates to the performance of physical activity	1	5	I	L								
As90964	(PHED1.3) Demonstrate quality movement in the performance of a physical activity	1	3	I	L								
AS90966	(PHED1.5) Demonstrate interpersonal skills in a group and explain how these skills impact on others	1	4	I	L								
AS90967	(PHED1.6) Demonstrate strategies to improve the performance of a physical activity and describe the outcomes	1	4	I	L								

Possible Future Employment / Study Pathways

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: SCIENCE 101

TOTAL CREDITS AVAILABLE: 24

LITERACY CREDITS: 8

NUMERACY CREDITS: 8

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

Approximate Course Related Costs: nil

Course Description:

This course is an entry level Science course offering a broad range of Science ideas and experiences designed to help students decide on their specialist choices at Level 2 and 3. 101 Science progresses towards Biology, Physics and Chemistry, in Year 12 and 13, which are prerequisites for many tertiary courses at Polytechnics and Universities.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways							
AS90940	(SCI 1.1) Demonstrate understanding of aspects of mechanics	1	4	E	N								
AS 90944	(SCI 1.5) Demonstrate an understanding of aspects of acids and bases	1	4	E									
AS90930	(CHE 1.1) Carry out a practical chemistry investigation, with direction	1	4	I	N								
AS90948	(SCI 1.9) Demonstrate understanding of biological ideas relating to genetic variation	1	4	E	L								
AS90950	(SCI 1.11) Investigate biological ideas relating to interactions between humans and micro-organisms	1	4	I									
AS90954	(SCI 1.15) Demonstrate understanding of the effects of astronomical cycles on planet Earth (completed in Year 10)	1	4	I	L								

Possible Future Employment / Study Pathways

Further Science study; Careers include: farmer, environmental scientist, forestry scientist, food technologist, marine biologist, consultancy, farm management, stock and station agent, landscape gardener, nurse, doctor, physiotherapist, vet, vet nurse, winemaker:

COURSE TITLE: SCIENCE 102

TOTAL CREDITS AVAILABLE: Up to 28

LITERACY CREDITS: Up to 12

NUMERACY CREDITS: 8

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

Approximate Course Related Costs: \$30 workbooks

Course Description:

This is a general Science course based on internal Achievement Standards. Students can choose to complete one external NCEA exam paper to assist in gaining a subject endorsement in Science. Students selecting this course progress to the general Science 201 course.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways					
						Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
AS90925	(BIO 1.1) Carry out a practical investigation in a biological context, with direction	1	4	I	N						
AS90952	(SCI 1.13) Demonstrate understanding of the formation of surface features in New Zealand	1	4	I	L						
AS90930	(CHE 1.1) Carry out a practical chemistry investigation, with direction	1	4	I	N						
AS90948	(SCI 1.9) Demonstrate understanding of biological ideas relating to genetic variation	1	4	E	L						
AS90950	(SCI 1.11) Investigate biological ideas relating to interactions between humans and micro-organisms	1	4	I							
AS90954	(SCI 1.15) Demonstrate understanding of the effects of astronomical cycles on planet Earth (Year 10)	1	4	I	L						
AS 90941	(SCI 1.2) Investigate the implication of electricity and magnetism in everyday life	1	4	I	N						

Possible Future Employment / Study Pathways

Further Science study; Careers include: animal attendant, farmer, environmental scientist, forestry scientist, food technologist, marine biologist, consultancy, farm management, stock and station agent, landscape gardener, nurse, doctor, physiotherapist, vet, vet nurse, winemaker:

COURSE TITLE: TECHNOLOGY HARD MATERIALS 101

TOTAL CREDITS AVAILABLE: 20

LITERACY CREDITS: 8

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:

This is a theory and practical based subject. Students work through Achievement Standards that are based around a practical project. Topics covered are: Human Factors in Design, Development of Prototype to address a brief, Understanding of basic concepts to make a product, Use resistant materials to make a specified product.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways					
AS91044	(TECH 1.1) Undertake brief development to address a need or opportunity	1	4	I	L	Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
AS91046	(TECH 1.3) Use design ideas to produce a conceptual design for an outcome to address a brief	1	6	I		Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
AS91047	(TECH 1.4) Undertake development to make a prototype to address a brief	1	6	I		Construction and Infrastructure Industries	Manufacturing and Technology Industries	Primary Industries	Creative Industries	Social and Community Service Industries	Service Industries
AS91057	(CMT 1.20) Implement basic procedures using resistant materials to make a specified product	1	6	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

Further study in L2 Technology Hard Materials or Joinery

Careers in all areas of trades, design, drawing.

COURSE TITLE: TEXTILE DESIGN TECHNOLOGY 101

TOTAL CREDITS AVAILABLE: 21

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. No previous Textile study required to enter this course.

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways						
AS91096	(TECH 1.26) Technology: Make basic adaptations to a pattern to enable a design to fit a person or item	1	4	I								
AS91058	(TECH 1.21) Technology: Implement basic procedures using textile materials to make a specific product	1	6	I								
AS91047	(TECH 1.4) Technology: Undertake development to make a prototype to address a brief	1	6	I								
US6692	Home and Life Science: Prepare for and construct a leisure garment	2	5	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: VISUAL ARTS 101

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: \$60 materials

Course Description:

The study of Visual Arts will enable students to develop skills and techniques in a variety of media. Level 1 Visual Arts is based on the student's choice of topic and theme named "Personal Symbols".

ACHIEVEMENT / UNIT STANDARDS THIS COURSE MAY COVER

Std. No.	Title	Level	Credits	Int/Ext	Lit/Num	Vocational Pathways				
AS90914	(ARTC1.2) Use drawing methods and skills for recording information using wet and dry media.	1	4	I						
AS90915	(ARTC1.3) Use drawing conventions to develop work in more than one field of practice	1	6	I						
AS90916	(ARTC1.4) Produce a body of work informed by established practice, which develops ideas, using a range of media	1	12	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:

