

Waihi College



Senior NCEA Level One, Two and Three
Subject Information

2017

Contents...

The following pages will list out all the options that students are able to select at NCEA Level One at Waihi College. Each page will hold information on the core elements of each option.

All of the subjects are hyperlinked – *you only need to click on them you will be taken to the right page. Each page has a return hyperlink to bring you back to this page.*

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Introduction

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The following materials can be used by parents and students to better understand the structure and make up of each of the learning areas (subjects) being offered here at Waihi College. We believe that making good informed decisions about your programme of work is vital.

A really good place to start when making your selections on which learning areas you will choose is to talk with your teachers. You ideally will have a good idea of where you'd like your life to go once you have left school. There are many sources of good information that you can link with to help inform your choices.

Whilst no individual school is able to guarantee that you will be able to select all the areas you would like, here at Waihi College you will be able to access classes typically offered in most New Zealand High Schools. For those students unable to select an option there is the possibility of joining an online learning community/class.

The more carefully you make your selections as a student the more likely it is that you will have a stimulating, engaging and challenging timetable in 2017.

Helpful Links

There has been a concerted effort by the Ministry of Education to better provide information to our students on the vocational pathways and career choices. Here are some of the key websites that you can go to and be better informed. *(click logos to follow links to websites)*



Explanation of NCEA

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NCEA stands for National Certificate of Educational Achievement. It is the formal qualification of New Zealand secondary educational system. NCEA has been around since 2002 and replaced School Certificate, Sixth Form Certificate and Bursary.

Throughout the year students will work to accumulate credits towards NCEA at levels One, Two and Three. These roughly follow, but not necessarily exclusively, to year's 11, 12 and 13. At the end of each year students will be, provided they met the minimum requirements (see below), an actual qualification certificate. [Here is an example of what an NCEA Certificate looks like...](#)

Students will also be sent a record of results from the year. This will show the actual standards and the results that the student achieved in each standard. [Here is an example of what the NCEA Record of Results looks like...](#)

Here is a link to a promotional video explaining the basics of NCEA ([click image to follow link](#))...



Certificates from NCEA

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As the student progresses through their senior years at high school they will accumulate accreditation towards their NCEA certificate. Here is an example of what one certificate looks like.

To be awarded NCEA Level One a student will need to have a minimum of 80 credits (note credits from level two or three will count if needed). The Level One qualification will also need to have evidence that the student has minimal language and computation skills. As such the NCEA Level One qualification needs to have ten credits in 'Numeracy' and another ten credits in 'Literacy'. *Numeracy and Literacy are not necessarily gained in Mathematics and English.*



Record of Achievement



Another Learner
523 Small Street
Countryville
Local Town

NSN: 123456789
Issued: 11 December 2012

Record of Achievement

Additional every student will also be awarded a Record of Achievement. This is a transcript of all the passing results that have been accumulated over their studies. Here is an example of what a Record of Achievement looks like.

Qualification and Achievement Summary			
New Zealand Qualification Framework Registered Qualifications			
National Certificate in Mathematics			06 Jan 2012
National Certificate in Science			06 Jan 2012
National Certificate of Educational Achievement (Level 3) achieved with excellence			17 Jun 2011
National Certificate of Educational Achievement (Level 2) achieved with excellence			31 Dec 2010
National Certificate of Educational Achievement (Level 1) achieved with merit			31 Dec 2009
Scholarship 2011			
Outstanding Scholarship in Biology (2011)			31 Dec 2011
Scholarship in English (2011)			31 Dec 2011
New Zealand University Entrance			
University Entrance			17 Jun 2011
Course Endorsements			
13 Classical Studies	Endorsed with merit at Level 3		31 Dec 2011
13 Visual Arts	Endorsed with merit at Level 2		31 Dec 2011
13 Media Studies	Endorsed with excellence at Level 3		23 Dec 2011
13 Biology	Endorsed with merit at Level 3		22 Dec 2011
13 English	Endorsed with excellence at Level 3		21 Dec 2011
Standards Achieved			
Each standard can have a range of results including 'A' for Achieved, 'M' for Achieved with Merit or 'E' for Achieved with Excellence. As some standards cannot be awarded all of those results, the result code is shown in bold where a candidate has reached the maximum possible result for that standard.			
English			
Level 3	90720 Produce an extended piece of writing in a selected style	4	E 06 Apr 2011
	90721 Respond critically to written text(s) studied	3	A 23 Dec 2011
	90722 Respond critically to Shakespearean drama studied	3	E 21 Dec 2011
	90723 Respond critically to oral or visual text studied	3	E 23 Dec 2011
	90725 Construct and deliver an oral presentation	4	E 22 Sep 2011
	90726 Complete independent research on a language or literature topic and present conclusions in writing	4	E 18 Aug 2011
Level 2	12005 Read an inclusive variety of written texts and record the reading experience	4	A 20 Oct 2010
	90374 Deliver a presentation using oral and visual language techniques	3	E 02 Jul 2010
	90376 Produce crafted and developed creative writing	3	E 20 Apr 2010
	90378 Produce crafted and developed formal transactional writing	3	E 29 Jun 2010
	90377 Analyse extended written text(s)	3	E 28 Dec 2010
	90378 Analyse short written texts	3	E 22 Dec 2010
	90379 Analyse a visual or oral text	3	E 28 Dec 2010
	90381 Investigate a language or literature topic and present information in written form	3	E 20 Jun 2010
Level 1	8808 Read an inclusive range of written texts and record the reading experience	3	A 16 Oct 2009
	90052 Produce creative writing	3	E 28 May 2009

You can see that it begins with the overall qualifications (NCEA Levels One, Two and Three). There is acknowledgement of any overall endorsements. There is also course endorsement information.

Finally there is a list of all the passing standards and grades (and dates of passing) that the student has sat.

This Record of Achievement is a significant document and extends over many pages. Here is a link to see the [full example](#) for an example student who has gone through all three levels of NCEA.

Passing NCEA

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It is important that students know what is expected for them to get through.

The [statistics](#) are that across all of New Zealand School the following pass rates exist for NCEA...

- 79% of all students in Year 11 will gain Level One in that year.
- 84% of all students in Year 12 will gain Level Two in that year.
- 76% of all students in Year 13 will gain Level Three in that year.

It is widely considered that the minimum school qualification any student needs is to have NCEA Level Two.

The key ingredients are...

1. Good attendance (be in the right place at the right time).
2. Good work attitude (be in class with the right gear and ready to learn).
3. Good organisation (have assignments ready and in on time & prep up for any test/exams).
4. Good timetable selection (picking subjects that are your strengths and engage you).
5. Good balance in life (not too much sport/socialising/part time work).
6. Good communication (seek help early it is available for you).

NCEA Endorsement

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To encourage and reward students to gain Merit or Excellence grades NCEA has formal acknowledgement in its qualification for students to be endorsed. To gain an endorsement is a prestigious result. In order for a student to gain an overall endorsement at any level of NCEA they will need to have at least 50 credits.

That is if they were to have 50 or more 'Excellence' credits at level one they will pick up the qualification of "NCEA Level One achieved with Excellence". If the student was to have say 50 or more 'Excellence and Merit' credits then they'll be endorsed "NCEA Level One achieved with Merit".

Approximate numbers of students gaining endorsement...

- At Level One between 27-35% of all students gain endorsement with Merit, and, between 7-15% of all students gain endorsement with Excellence. At decile three 11-21% Merit and 2-5% Excellence.
- At Level Two between 19-26% of all students gain endorsement with Merit, and, between 5-12% of all students gain endorsement with Excellence. At decile three 6-14% Merit and 1-4% Excellence. *It is harder to gain endorsement at Level Two.*
- At Level Three between 20-24% of all students gain endorsement with Merit, and, between 5-8% of all students gain endorsement with Excellence. At decile three 8-10% Merit and 1-3% Excellence.



THE UNIVERSITY OF
WAIKATO
Te Whare Wānanga o Waikato

The value of gaining an endorsement can be reflected financially by the automatic scholarship offered by Waikato University to all school leavers. They offer two scholarships call; "[Waikato Academic Merit School Leavers Scholarship](#)" valued at \$3000 for those endorsed Level Three with Merit. And the "[Vice Chancellors Academic Excellence School Leavers Scholarship](#)" valued at \$5000.

A subject endorsement can be gained in a calendar year in any specific subject. This is done by gaining 14 or more credits (including at least 3 credits externally) at Merit/Excellence.

Vocational Pathways

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The Ministry of Education and NZQA have created a highly engaging and useable set of resources called Vocational Pathways. They can best be described as a planned method of getting the skills and experiences that will best get you into a future job.

Students that know what they want to be in life generally find subject selection an easier process – they pick subjects that are best suited to their pathway. If you are not sure of what career/job/vocation you would like a great place to start is the [Careers](#) website...

The screenshot shows the careersnz website interface. At the top, there is a search bar and a navigation menu with links like 'Home', 'Plan your career', 'How to get a job', 'Jobs database', 'Education & training', 'Interactive tools', and 'For practitioners'. Below the navigation, there is a main heading: 'Helping you make smart decisions about work and learning in New Zealand.' The main content area is divided into several sections: 'Job of the week' featuring a farm worker, 'Get started' with links like 'I'm not sure what I want to do', 'I'm at school and need ideas', 'Helping young people', 'I want to change career or return to work', and 'Looking for work in Canterbury?'; and 'Contact us' with a phone number and social media links. At the bottom, there are four main categories: 'Plan your career', 'How to get a job', 'Jobs database', and 'Education & training'. Under 'Education & training', the link 'Scholarships' is circled in red.

From here you can navigate through pretty much any job you can think of. It will tell you lots of information from job prospects, income streams, places to train, and subjects at school to pick (*see the circle above*).

We have used the [Vocational Pathway Builder](#) to create bar graphs for all of our courses. This will show you which of the vocational pathways the subjects move towards. You will see that some subjects are very specific to a particular pathway (say Horticulture is solely in the "Primary Industry" pathway).

Here are some greater details on the [Vocational Pathways](#)...



Gateway

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The Gateway programme is a Government initiative introduced for senior school students. It is designed to strengthen the pathway for students from school to workplace learning. Gateway is not a work experience programme nor is it a programme for under achievers. It is designed to assist schools to make learning relevant to the needs of all students and to ensure that young people have a smooth transition from school to work.

Students have an opportunity to work in such industries as Building, Engineering, Farming, Childcare, Retail, Motor Engineering, Horticulture, Electrical, Hospitality, Plumbing, Catering and Hair Dressing.

Gateway students spend one day a week in the workplace, during which time they are assessed for credits on the National Qualifications Framework which count towards both industry and NCEA qualifications.

Some formal documentation can be found at ‘The Gateway [Handbook](#)’

There are tangible benefits from being in Gateway. Students are funded by the Ministry (there are no fees for students on Gateway). The Ministry will fund trade related materials. For example a student on Gateway as a builder will be funded for all trade unit standard (these save a future apprentice lots of money) there may be a possibility for funding for some equipment (say boots or builder aprons etc).

Practically a student on Gateway will commit to at least 80 hours (typically one day a week for ten week period). In these 80 hours they work with an ITO such as (BCITO or FITO) on theory Unit Standards as well as practical experience on the job. Gateway students are expected to gain 20 credits in their Pathway. The students will need to complete a signed contract with the school, employer and themselves and family.

Students on Gateways with such employers or trades as; Early Childcare, Building, Retail, Farming, Panel Beating, Chef/Catering and Electrical.

If you are thinking that Gateway may be a good opportunity for you next year please see Mr Willoughby. Click here for his email brentw@waihicol.school.nz.

University Entrance

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Students intending on further education at University need to ensure that they have 'University Entrance'. Essentially this is a specified additional layer to the Level Three NCEA Qualification. The specifics are that students will need all of the following...

- NCEA Level 3 (the standard 80 credits)
- Three subjects - at Level 3, made up of: 14 credits each, in three approved subjects (*see the list below).
- Literacy - 10 credits at Level 2 or above, made up of: 5 credits in reading and 5 credits in writing
- Numeracy - 10 credits at Level 1 or above.

University Approved Subjects available at Level Three at Waihi College (you will need 14 credits from three)...

- | | |
|-------------------|------------------------------|
| 1. L3 Accounting | 12. L3 History |
| 2. L3 Agriculture | 13. L3 Horticulture |
| 3. L3 Biology | 14. L3 Media Design |
| 4. L3 Calculus | 15. L3 Music |
| 5. L3 Catering | 16. L3 Art Photography |
| 6. L3 Chemistry | 17. L3 Art Painting |
| 7. L3 Drama | 18. L3 Physical Education |
| 8. L3 English | 19. L3 Physics |
| 9. L3 Geography | 20. L3 Maths with Statistics |
| 10. L3 Graphics | 21. L3 Technology (Product) |
| 11. L3 Health | 22. L3 Textiles |

UE Literacy - Typically this means that students intending to go to University will need to have a successful year of Level Two English (or specifically target standards from other subjects). Here is a link to the specific standards offering Reading and Writing Literacy ([click here](#)). In reading through the courses students may notice that next to some standards UE Literacy has been indicated with - (*UE Reading and Writing*)

It is important that early on in the year that students intending to go to University check that they've eligible to gain this qualification.

Level One English via Media Studies

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Purpose – This combination course is designed to offer the students the opportunity to have their work assessed against two sets of criteria and therefore maximise the number of credits they will achieve.









Pathway – This course can lead to a similar Level 2 course to be established in 2018. With a good pass rate in the English achievement standards, this course can lead to Level 2 English.

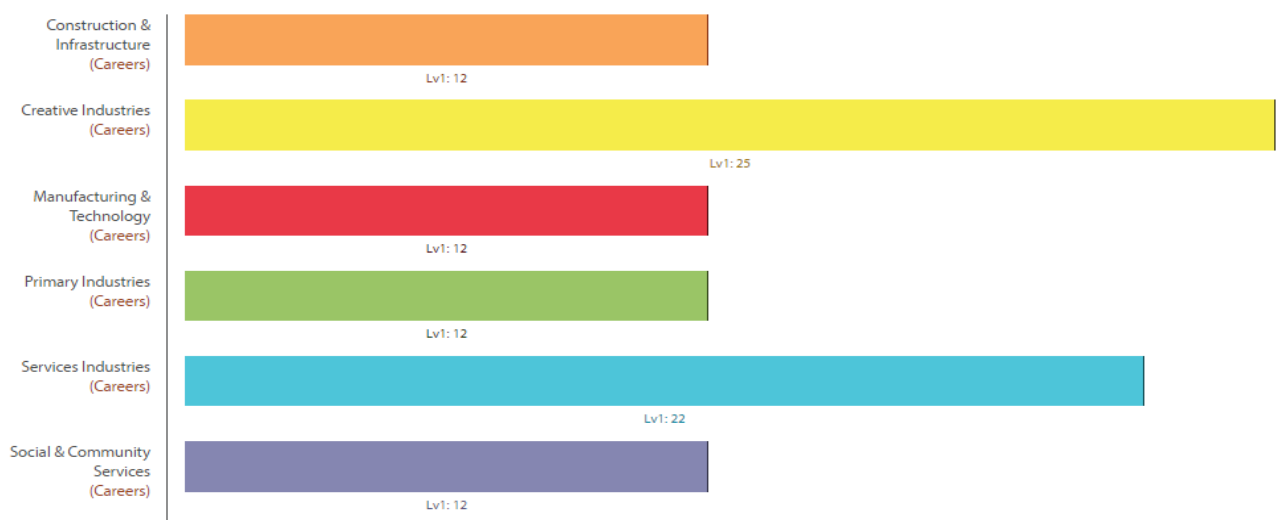
Recommended Entry – This course has no prerequisites although good literacy skills and an interest in different media forms are necessary. Your English teacher will advise.

Course Outline – Media studies examines the dynamic role of the media in society, how the media constructs messages about individuals, communities, and cultures and how media products are produced, controlled, and distributed. . English is about thinking; using language, symbols and texts; participating and contributing; relating to others and managing self. All standards are recognised as contributing to the literacy requirements needed for NCEA Level 1. One standard offers numeracy credits.

Course Fees – There are no course fees.

Assessment Information – 22 Credits (4 External). In order to provide personalised learning, students are encouraged to select from this list of available standards:

- 90053 : Produce formal writing, Level 1, 3 credits 
- 90855 : Create a visual text, Level 1, 3 credits 
- 90856 : Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence, Level 1, 3 credits 
- 90857 : Construct and deliver an oral text, Level 1, 3 credits 
- 90989 : Demonstrate understanding of how individuals interact with the media, Level 1, 3 credits 
- 90990 : Demonstrate understanding of selected elements of media text(s), Level 1, 3 credits 
- 90992 : Demonstrate understanding of characteristics of a media genre, Level 1, 4 credits 
- 90993 : Produce a design and plan for a media product using a specified range of conventions, Level 1, 3 credits 



Vocational Credits: 25 | Other Credits: 0 | Total: 25
R = Recommended SR = Sector Related

Level One English

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Purpose – English is the study, use, and enjoyment of the English language communicated orally, visually, and in writing, for a range of purposes and audiences and in a variety of text forms.











Pathway – This leads to [Level Two English](#). It also provides access to [Level Two History](#).

Recommended Entry – Positive results from Year 10 English (your teacher will indicate).

Course Outline – Understanding, using, and creating oral, written and visual texts of increasing complexity is at the heart of English teaching and learning. Students will become increasingly skilled and sophisticated speakers and listeners, writers and readers, presenters and viewers. All standards offered are recognised as contributing to the literacy requirements needed for NCEA Level 1.

Course Fees – Workbook (approximately \$22)

Assessment Information – 21 Credits (8 External), In order to provide personalised learning, students are encouraged to select from this list of available standards:-

- 90052 : Produce creative writing, Level 1, 3 credits 
- 90053 : Produce formal writing, Level 1, 3 credits 
- 90849 : Show understanding of specific aspects of studied texts, using supporting evidence, L1, 4 crds 
- 90850 : Show understanding of specific aspects of studied visual/oral texts, using evidence, L1, 4crds 
- 90851 : Show understanding of significant aspects of unfamiliar written text(s) through close reading, using supporting evidence, Level 1, 4 credits 
- 90852 : Explain significant connection(s) across texts, using supporting evidence, Level 1, 4 credits 
- 90854 : Form personal responses to independently read texts, supported by evidence, L1, 4 credits 
- 90855 : Create a visual text, Level 1, 3 credits 
- 90856 : Show understanding of visual/oral texts through close viewing/listening, evidence, L1, 3crds 
- 90857 : Construct and deliver an oral text, Level 1, 3 credits 



Vocational Credits: 21 | Other Credits: 0 | Total: 21
R = Recommended SR = Sector Related

Level One English via Cultural Studies

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Purpose – This course combines Level One English achievement standards with a selection of Religious Studies and Social Studies achievement standards. Students will enjoy the opportunity to have work assessed against multiple criteria and maximise the credits they achieve. All standards are recognised as contributing to the literacy requirements needed for NCEA Level 1.







Pathway – This course can lead to a similar Level 2 course to be established in 2018. With a good pass rate in the English achievement standards, this course can lead to Level 2 English.

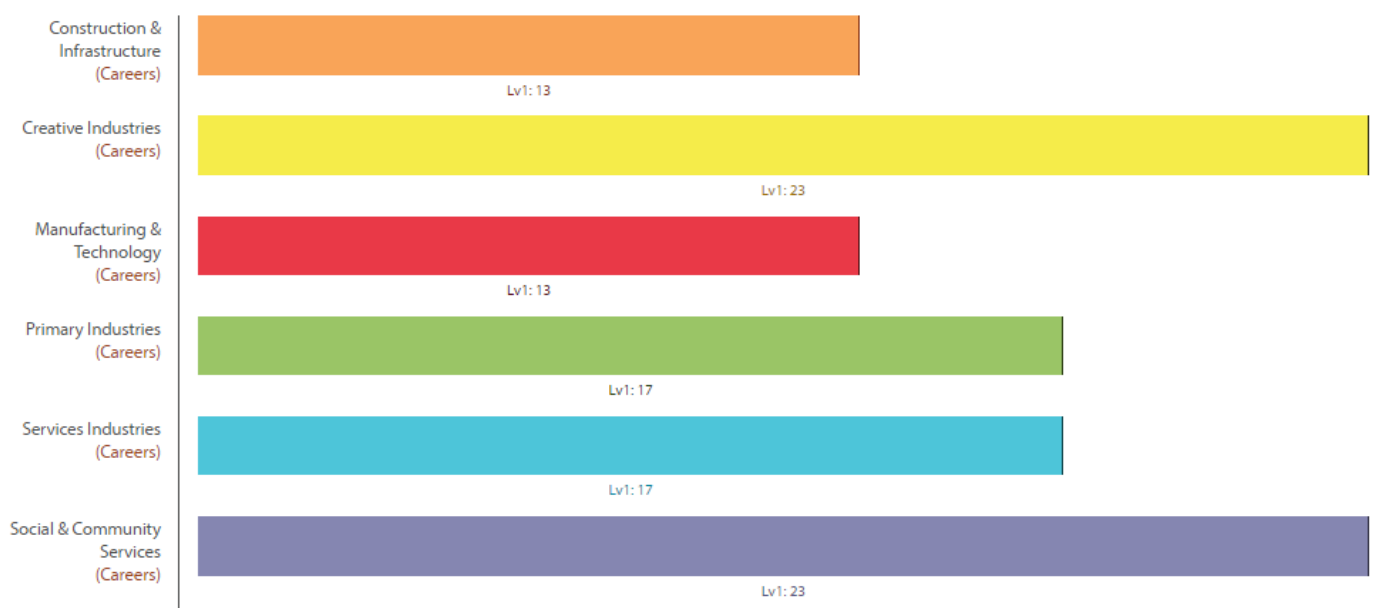
Recommended Entry – This course has no prerequisites although good literacy skills and an interest in cultural, religious and social affairs are necessary. Your English teacher will advise.

Course Outline – Learners will explore the application of the key ethical principle(s) of a religious tradition to an issue. Religious tradition means a world religion, or a division of a world religion, or an indigenous religion. Additionally, learners will focus on describing a social justice and human rights action. This involves giving an account of the intended purpose of the social justice and human rights action and evaluating how successfully this action met its purpose. Consideration will also be given to identifying points of view about the action, and the consequences of the action and their importance for society.

Course Fees – There are no course fees.

Assessment Information – 23 Credits (0 External) -

- 90053 : Produce formal writing, Level 1, 3 credits 
- 90818 : Describe key ethical principles of a religious tradition and how they are applied to an issue, Level 1, 6 crds 
- 90853 : Use information literacy skills to form conclusion(s), Level 1, 4 credits 
- 90855 : Create a visual text, Level 1, 3 credits 
- 90857 : Construct and deliver an oral text, Level 1, 3 credits 
- 91043 : Describe a social justice and human rights action, Level 1, 4 credits 



Vocational Credits: 23 | Other Credits: 0 | Total: 23
 R = Recommended SR = Sector Related

Level One Advanced Mathematics

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Purpose – To develop knowledge and skills of Mathematical Techniques







Pathway – This course leads into [Level Two Advanced Mathematics](#), [Level Two Mathematics](#).

Recommended Entry – Very good to excellent grades in Year 10 Mathematics.

Course Outline – The Level One Advanced Mathematics course is a mixture of internal and external standards. It is designed for students who will be aiming for the higher grades of Merit and Excellence in their assessments. The internal will include; using numbers to argue an idea; using ratio and angles to measure distances; using the statistical inquiry cycle and manipulation of algebraic expressions. The external assessments will focus on Algebra and graphing.

Course Fees – Workbooks (approximately \$15) and a calculator.

Assessment Information – 22 Credits (8 External) The standards will be chosen from -

- 91026 : Apply numeric reasoning in solving problems, Level 1, 4 credits 
- 91027 : Apply algebraic procedures in solving problems, Level 1, 4 credits 
- 91028 : Investigate relationships between tables, equations and graphs, Level 1, 4 credits 
- 91029 : Apply linear algebra in solving problems, Level 1, 3 credits 
- 91032 : Apply right-angled triangles in solving measurement problems, Level 1, 3 credits 
- 91035 : Investigate a given multivariate data set using the statistical enquiry cycle, Level 1, 4 credits 



Vocational Credits: 22 | Other Credits: 0 | Total: 22
R = Recommended SR = Sector Related

Level One Farm Business

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Purpose – To use science and practical skills to understand how to farm profitably, and to contribute towards achieving NCEA Level One.

Pathway –Level Two Farm Business the following year, and any Level Two agriculture or horticulture course. This course is aimed at those who want to have a career in primary industries as a scientist, banker, economist, consultant etc. as well as those who want to become top-level farm or orchard managers.

Recommended Entry – This course requires you to be able to do self-directed work. Good communication (literacy) skills are also needed.

Course Outline – This course is a combination of scientific study and practical work, with over half the course at level 2. You will be looking at how to run a farm business, focussing on our school orchard and calf raising enterprises. You will study NZ farm geography, profitable management techniques for orchards, and how to raise calves for profit. You will also do some harvesting and thinning work in the orchard.

Course Fees – \$25 towards work books and field trips..

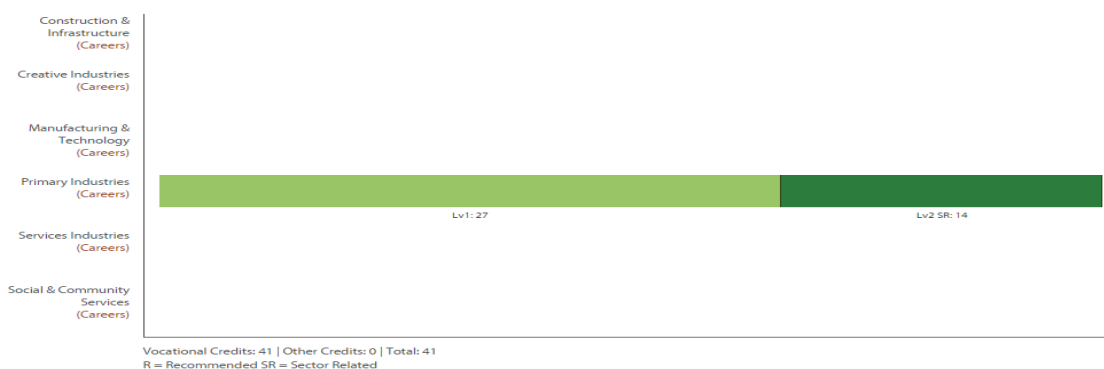
Assessment Information – 31 compulsory internal credits, optional externals.

Compulsory Standards (All students)

- 23540 : Demonstrate knowledge of hazards, hazard control, and the consequences of injury workplace, L2, 5 credits ●
- 23541 : Locate hazards, describe safety procedures, and demonstrate safe practices in a rural workplace, L2, 5 credits ●
- 12393 : Hand thin fruit to optimize crop loading, Level 2, 5 credits ●
- 21212 : Harvest a fruit crop under supervision, Level 2, 5 credits ●
- 90155 : Demonstrate knowledge of pasture/crop management practices, Level 1, 4 credits ▲
- 90918 : Carry out a practical agricultural or horticultural investigation, Level 1, 4 credits ▲
- 90920 : Demonstrate knowledge of the geographic distribution of agricultural and horticultural primary production in New Zealand, Level 1, 3 credits ▲

Optional Standards

- 90919 : Demonstrate knowledge of soil management practices, Level 1, 4 credits, external ▲
- 90921 : Demonstrate knowledge of livestock management practices, Level 1, 5 credits, external ▲
- 90924 : Demonstrate knowledge of horticultural plant management practices and related plant physiology, Level 1, 5 credits, external ▲



Level One Farm Skills

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Purpose – To learn work skills and safety for farm labouring, & to contribute towards achieving NCEA L1.

Pathway – Level Two Farm Skills.

Recommended Entry – Open – bring along a can-do attitude.

Course Outline – The bulk of the course is learning quad, tractor and general farm safety. You will also have the opportunity to learn farm fencing techniques and do a Dairy Farm Gateway placement. If you have experience using farm vehicles or milking this will count towards completing your practical standards, and accelerate you to more level two standards.

Course Fees – \$25 towards materials and field trips.

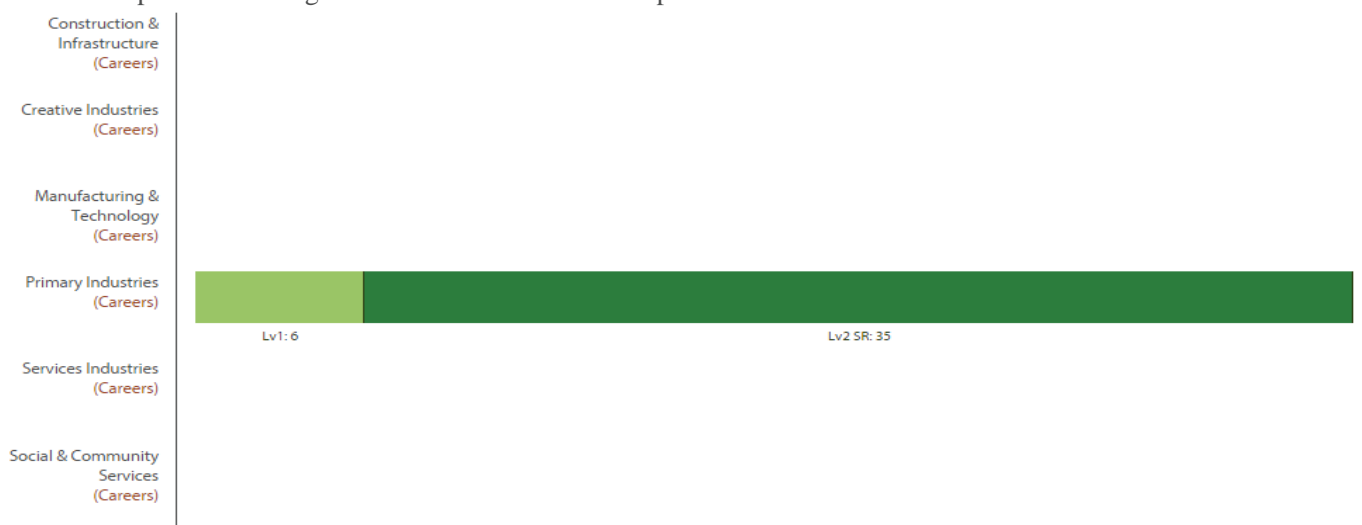
Assessment Information – 22 compulsory credits, all internal (further credits available in Gateway) -

Compulsory Standards (All students)

- 27602 : Ride a quad bike on flat terrain in controlled conditions under close supervision, Level 1, 3 credits ▲
- 27608 : Drive a basic wheel tractor on flat terrain under close supervision, Level 1, 3 credits ▲
- 19044 : Demonstrate knowledge of the legal requirements and hazards associated with tractor use, Level 2, 3 credits ●
- 23540 : Demonstrate knowledge of hazards, hazard control, and the consequences of injury rural workplace, L2, 5 crds ●
- 23541 : Locate hazards, describe safety procedures, and demonstrate safe work practices in rural workplace, L2, 5 crds ●
- 24557 : Demonstrate knowledge of the safe operation of a quad bike, Level 2, 3 credits ●

Optional Standards

- 24822 : Install wooden battens for fencing, Level 2, 4 credits ●
- 24832 : Open and draw out a coil of wire, tie knots, join wire, and prepare wire for transport and storage, L2, 5crds ●
- 24834 : Replace a broken post, and repair a broken wire in fences, Level 2, 5 credits ●
- 24836 : Describe non-electric fences, fence support materials, and safe practices in fencing, Level 2, 2 credits ●
- 18194 : Prepare for milking and milk cows under close supervision. ▲



Vocational Credits: 41 | Other Credits: 0 | Total: 41
R = Recommended SR = Sector Related

Level Two Farm Skills

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Purpose – To learn work skills and safety for farm labouring, & to contribute towards achieving NCEA L2.

Pathway – Training at an agricultural school like Telford or Taratahi, or straight into farm work.

Recommended Entry – Open – bring along a can-do attitude.

Course Outline – Doing a Dairy Farm Gateway placement is recommended part of this course.

This course builds on L1 Farm Skills, giving you more opportunity to develop vehicle, milking and fencing skills. You will need to work outside of school time to achieve the practical vehicle standards, mostly practising driving and riding on the school vehicles. If you have experience using farm vehicles or milking this will count towards completing your practical standards.

Course Fees – \$25 towards materials and field trips.

Assessment Information – **Choose at least 20 credits from the following list. 19044, 24557, 23540 and 23541 are compulsory if not already achieved.**

Available Standards

23540 : Demonstrate knowledge of hazards, hazard control, and the consequences of injury rural workplace, L2, 5 crds ●

23541 : Locate hazards, describe safety procedures, and demonstrate safe work practices in rural workplace, L2, 5 crds ●

18191 : Demonstrate knowledge of safe handling and health problems of dairy cattle associated with milking, Level 2, 3 credits ●

18192 : Demonstrate knowledge of how cows produce milk, Level 2, 2 credits ●

24548 : Assist with milking, Level 2, 8 credits ●

19044 : Demonstrate knowledge of the legal requirements and hazards associated with tractor use, Level 2, 3 credits ●

24552 : Check and drive a basic wheeled tractor with an attached implement on flat terrain, Level 2, 5 credits ●

24554 : Ride a quad bike on flat terrain in the workplace, Level 2, 4 credits ●

24557 : Demonstrate knowledge of the safe operation of a quad bike, Level 2, 3 credits ●

24822 : Install wooden battens for fencing, Level 2, 4 credits ●

24832 : Open and draw out a coil of wire, tie knots, join wire, and prepare wire for transport and storage, L2, 5 credits ●

24834 : Replace a broken post, and repair a broken wire in fences, Level 2, 5 credits ●

24836 : Describe non-electric fences, fence support materials, and safe practices in fencing, Level 2, 2 credits ●

Level Two Farm Business

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Purpose – To use science and practical skills to understand how to farm profitably, and to contribute towards achieving NCEA Level Two.

Pathway –Level Three Agriculture. This course is aimed at those who want to have a career in primary industries as a scientist, banker, economist, consultant etc. as well as those who want to become top-level farm or orchard managers.

Recommended Entry – This course requires you to be able to do self-directed work. Good communication (literacy) skills are also needed.

Course Outline – This course is a combination of scientific study and practical work. You will be looking at how to run a farm business, focussing on our school orchard and calf raising enterprises. You will study profitable management techniques for orchards, and how to raise calves for profit. You will also learn about rural workplace safety and do some harvesting and thinning work in the orchard if you haven't already achieved those standards.

Course Fees – \$25 towards work books and field trips..

Assessment Information – 28 compulsory internal credits, optional externals.

Compulsory Standards (All students)

23540 : Demonstrate knowledge of hazards, hazard control, and the consequences of injury workplace, L2, 5 credits

23541 : Locate hazards, describe safety procedures, and demonstrate safe practices in a rural workplace, L2, 5 credits

12393 : Hand thin fruit to optimize crop loading, Level 2, 5 credits

21212 : Harvest a fruit crop under supervision, Level 2, 5 credits

91289 : Carry out an extended practical agricultural or horticultural investigation, Level 2, 4 credits

91292 : Demonstrate understanding of how management practices influence plant growth and development in NZ commercial production, Level 1, 4 credits

Optional Standards

91290 : Demonstrate understanding of techniques used to modify physical factors of the environment for NZ plant production, Level 2, 4 credits, external

91294 : Demonstrate understanding of how NZ commercial management practices influence livestock growth and development, Level 2, 4 credits, external

Level One Mathematics

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Purpose – To develop knowledge and skills of Mathematical Techniques







Pathway – This course leads into [Level Two Advanced Mathematics](#), or [Level Two Mathematics](#) .

Recommended Entry – Very good to excellent grades in Year 10 Mathematics.

Course Outline – The Level One Mathematics course is a mixture of internal and external standards. It is designed for students who will be aiming for the higher grades of Merit and Excellence in their assessments. The internal will include; using numbers to argue an idea; using ratio and angles to measure distances; using the statistical inquiry cycle and manipulation of algebraic expressions. The external assessments will focus on Algebra and graphing.

Course Fees – Workbooks (approximately \$15) and a calculator.

Assessment Information – 23 Credits (8 External) The standards will be chosen from -

- 91026 : Apply numeric reasoning in solving problems, Level 1, 4 credits 
- 91027 : Apply algebraic procedures in solving problems, Level 1, 4 credits 
- 91028 : Investigate relationships between tables, equations and graphs, Level 1, 4 credits 
- 91029 : Apply linear algebra in solving problems, Level 1, 3 credits 
- 91032 : Apply right-angled triangles in solving measurement problems, Level 1, 3 credits 
- 91035 : Investigate a given multivariate data set using the statistical enquiry cycle, Level 1, 4 credits 



Vocational Credits: 23 | Other Credits: 0 | Total: 23
R = Recommended SR = Sector Related

Level One Numeracy

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Purpose – To develop knowledge and skills of Mathematical Techniques.

Pathway – This course leads into [Level Two Mathematics](#) **only** if you obtain several Merits in the ASs.

Recommended Entry – Good grades in Year 10 Mathematics.

Course Outline – The Level One Mathematics course is all internal credits. It is designed for students who have a good ability in Mathematics and will be aiming for the grades of Achieve and Merit in their assessments. The internal will include; using numbers to argue an idea; using ratio and angles to measure distances; using the statistical inquiry cycle. It will also focus on obtaining Numeracy at the same time


Course Fees – Workbooks (approximately \$15) and a calculator.

Assessment Information – 17 AS Credits, 10 Numeracy Credits. The standards will be chosen from -

26623 : Use number to solve problems, Level 1, 4 credits

26626 : Interpret statistical information for a purpose, Level 1, 3 credits

26627 : Use measurement to solve problems, Level 1, 3 credits

91026 : Apply numeric reasoning in solving problems, Level 1, 4 credits 

91027 : Apply algebraic procedures in solving problems, Level 1, 4 credits 

91032 : Apply right-angled triangles in solving measurement problems, Level 1, 3 credits 

91035 : Investigate a given multivariate data set using the statistical enquiry cycle, Level 1, 4 credits 

91038 : Investigate a situation involving elements of chance, Level 1, 3 credits 



Vocational Credits: 18 | Other Credits: 10 | Total: 28
 R = Recommended SR = Sector Related

Level One Horticulture

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Purpose – To develop Waihi College student’s knowledge and skills in Horticulture.

Pathway – This course leads towards [Level Two Horticulture](#).

Recommended Entry – Nil – but students must be prepared to get their hands dirty.

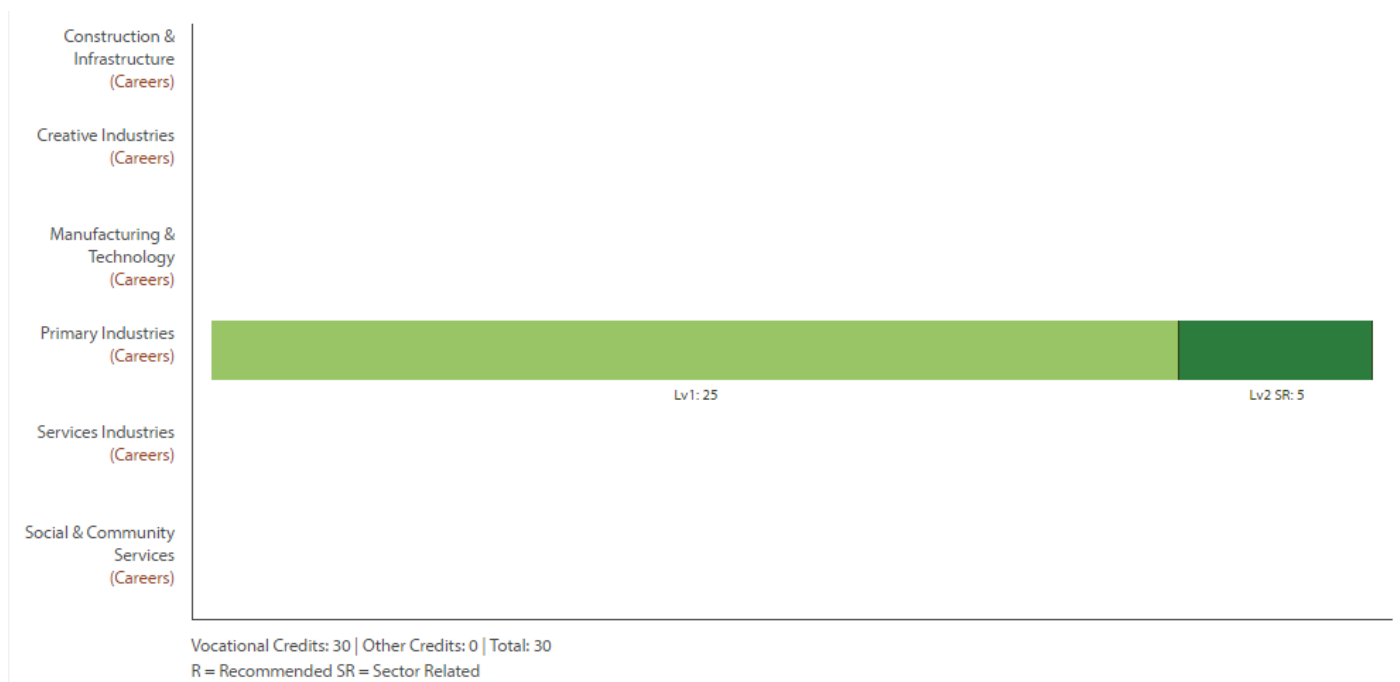
Course Outline – Horticulture involves learning how to grow plants, how plants function, how to get nutrients from the soil and ways to grow better plants. There are three parts to this course...

- Practical – hands on gardening in small gardens in the farm unit.
- Gardening around the school grounds.
- Theory and classwork.

Course Fees – There are no course fees.

Assessment Information – 25 Credits (9 External).

- 1 : Prepare and sow outdoor seedbeds manually, L1, 5 crds ▲
- 23782 : Identify containers, materials, plants, and tools used in plant propagation, L1, 2 crds ▲
- 23783 : Grow and maintain plants in containers from seed, L1, 5 crds ▲
- 90157 : Demonstrate practical skills used in agricultural or horticultural production, L1, 4 crds ▲
- 90919 : Demonstrate knowledge of soil management practices, L1, 4 crds ▲
- 90924 : Demonstrate knowledge of horticultural plant management practices and related plant physiology, L1, 5 crd ▲
- Optional Extra Standard
- 22177 : Demonstrate knowledge of the structure and function of plants, L2, 5 crds ●



Level One Science

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Purpose – To gain a solid grounding in the Sciences, and to start to more fully understand how scientific knowledge and understanding is vital in solving the major challenges facing humankind – disease treatment and prevention, climate change, the need for clean energy and the need for clean water







Pathway – This course leads towards Level Two [Biology](#) (through passing both 90949 & 90950), [Level Two Chemistry](#) (through passing external 90944), [Level Two Physics](#) (through 90940).

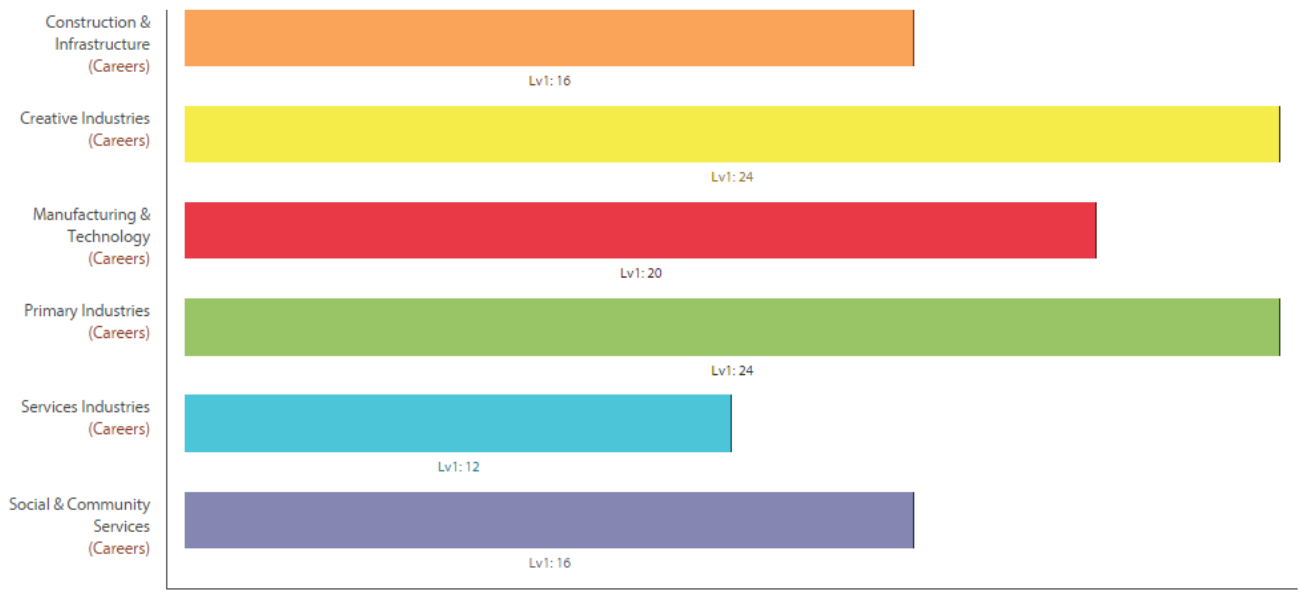
Recommended Entry – Nil – but students must be prepared to get their hands dirty.

Course Outline – This course aims to provide a good grounding in the basics of Science, with a term each spent on Physics, Chemistry and Biology. We aim to complete the work for one external and one internal each term. A practical investigation linked to graph plotting skills (that provides four numeracy credits) will be carried out during the same term as study for Physics (motion, forces, energy and power). A research assignment on carbon cycling (relevant to climate change) will accompany the study of Chemistry (atoms and ions, acids and bases). A further research assignment on microorganisms that cause disease will be carried in addition to the study of Genetics.

Course Fees – There are no course fees.

Assessment Information – 24 Credits (12 External) -

- 90935 : Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction, Level 1, 4 credits 
- 90940 : Demonstrate understanding of aspects of mechanics, Level 1, 4 credits 
- 90944 : Demonstrate understanding of aspects of acids and bases, Level 1, 4 credits 
- 90948 : Demonstrate understanding of biological ideas relating to genetic variation, Level 1, 4 credits 
- 90950 : Investigate biological ideas relating to interactions between humans and micro-organisms, Level 1, 4 credits 
- 90953 : Demonstrate understanding of carbon cycling, Level 1, 4 credits 



Vocational Credits: 24 | Other Credits: 0 | Total: 24
 R = Recommended SR = Sector Related

Level One Geography

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Purpose – Purpose – Geography gives students a multidisciplinary or holistic view of the world, combining knowledge, skills, and understandings of the physical and social sciences. It fosters a curiosity about place and space, and provokes questions about natural and cultural environments and their interconnectedness. Geography provides opportunities through fieldwork for first-hand investigations of places, environments, and human activities. It helps students make sense of complex issues such as climate change, ageing populations, urban growth, land conflicts, globalisation, and sustainability.







Pathway – This course can lead to [Level Two Geography](#).

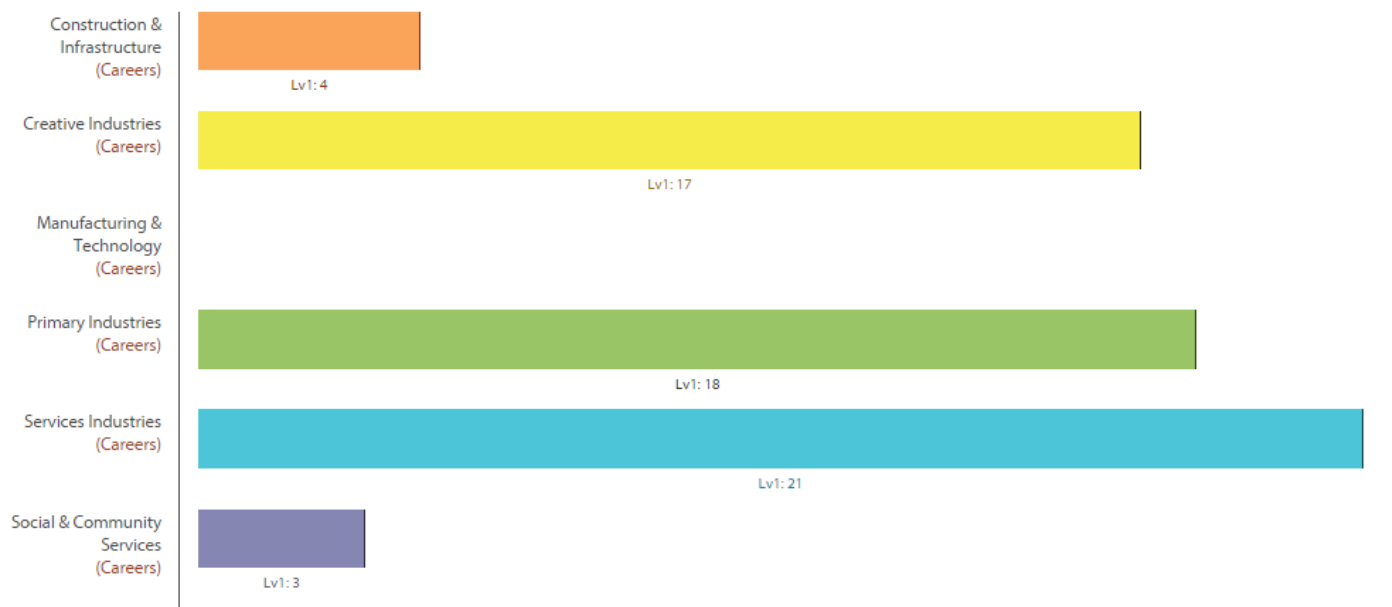
Recommended Entry – Satisfactory completion of Year 10 Social Studies.

Course Outline – This course consists of both Natural and Human Geography. The course looks at natural events (volcanic eruptions etc.), sustainability (tourism), global issues (electronic waste, access to safe water etc.) and local geographic topics (shopping, mining). Skills to do with using maps and a variety of other information sources are followed up and these are applied in research work. This course is designed for students who are interested in the world around them and how people interact with the environment.

Course Fees – Fees for a one day field trip to Rotorua (approximately \$80).

Assessment Information – 21 Credits (8 External) -

- 91007 : Demonstrate geographic understanding of environments that shaped by extreme natural event(s), L1, 4 crds 
- 91009 : Demonstrate geographic understanding of the sustainable use of an environment, Level 1, 3 credits 
- 91010 : Apply concepts and basic geographic skills to demonstrate understanding of environment, L1, 4 crd 
- 91011 : Conduct geographic research, with direction, Level 1, 4 credits 
- 91012 : Describe aspects of a contemporary New Zealand geographic issue, Level 1, 3 credits 
- 91013 : Describe aspects of a geographic topic at a global scale, Level 1, 3 credits 



Vocational Credits: 21 | Other Credits: 0 | Total: 21
R = Recommended SR = Sector Related

Level One History

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Purpose – To develop knowledge and skills in History.

Pathway – This course can lead to [Level Two History](#).

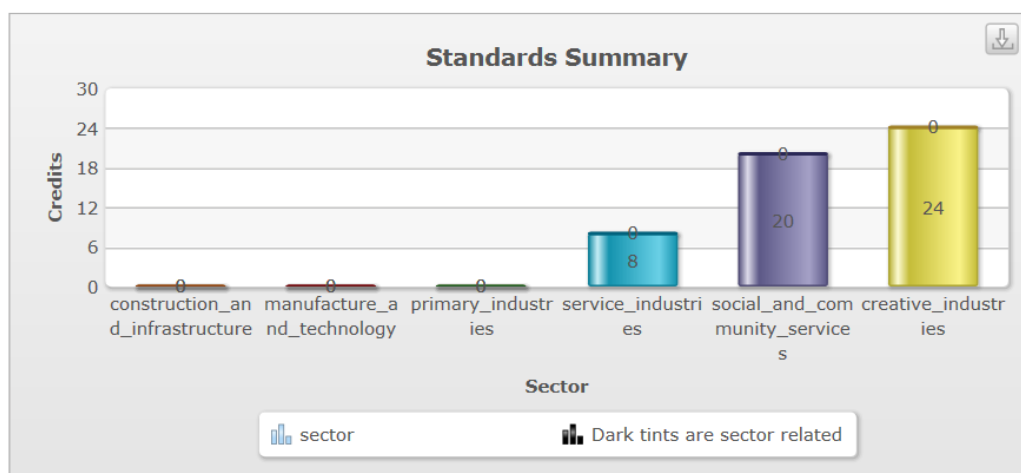
Recommended Entry – Satisfactory completion of Year 10 Social Studies. This course has no prerequisites although good literacy skills and an interest in current affairs are helpful.

Course Outline – These courses topics are selected from: the origins of World War Two; New Zealand and the World; Ireland; Black Civil Rights; and Stalin. The internally assessed topics focus on research and perspectives. The externally assessed topics involve interpretation, New Zealand identity and essay writing. Skills from History are applicable in many other fields where organisation and essay skills are required.

Course Fees – There are no course fees.

Assessment Information – 24 Credits (12 External) -

- 91001: Carry out an investigation of an historical event, or place, of significance to New Zealanders, (Internal 4 credits), History 1.1
- 91002: Demonstrate understanding of an historical event, or place, of significance to New Zealanders, (Internal 4 credits), History 1.2
- 91003: Interpret sources of an historical event of significance to New Zealanders, (External 4 credits), History 1.3
- 91004: Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders, (Internal 4 credits), History 1.4
- 91005: Describe the causes and consequences of an historical event, (External 4 credits), History 1.5
- 91006: Describe how a significant historical event affected New Zealand society, (External 4 credits), History 1.6



Level One Accounting

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Purpose – To develop knowledge and skills in Accounting.





Pathway – This course can lead to [Level Two Accounting](#).

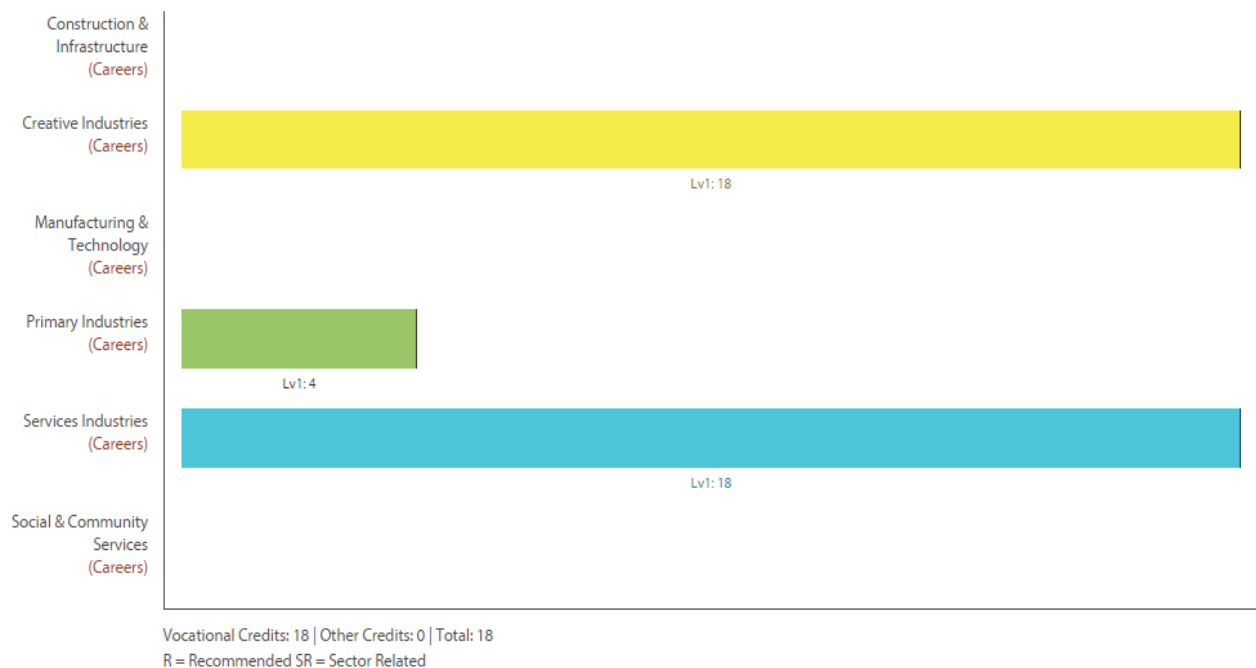
Recommended Entry – Satisfactory completion of Year 10 Mathematics.

Course Outline – This is a very practical subject aimed at anyone who intends being involved with running their own (or someone else's) business. It teaches the basic processes of bookkeeping and how to compile and interpret financial statements. Students will be exposed to many different business concepts. It can be taken as a stand-alone course or used as a stepping stone towards tertiary study in commerce/business.

Course Fees – \$10 Course Materials.

Assessment Information – 18 Credits (9 External) -

- 90977 : Process financial transactions for a small entity, Level 1, 5 credits 
- 90978 : Prepare financial statements for sole proprietors, Level 1, 5 credits 
- 90979 : Prepare financial information for a community organisation's annual general meeting, Level 1, 4 credits 
- 90980 : Interpret accounting information for sole proprietors, Level 1, 4 credits 



Level One Physical Education

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Purpose – To develop knowledge and skills in Physical Education.


Pathway – This course can lead to [Level Two Physical Education](#) and/or [Level Two Sports Education](#).


Recommended Entry – Good participation and a keen interest in Year 10 Physical Education.

Course Outline – This course allows students to look at what affects their participation in activities as well as introducing them to anatomy and biomechanics. Some students will have the opportunity to participate in a ski trip to Mount Ruapehu to look at responsible behaviours and skill learning. This class is based on theory as well as practical.


Course Fees – A total of \$400 for workbook and ski trip.


Assessment Information – 19 Credits (0 External *Even though there are no externals this course is one of a few internally only assessed courses that can still pick up a course endorsement*) -

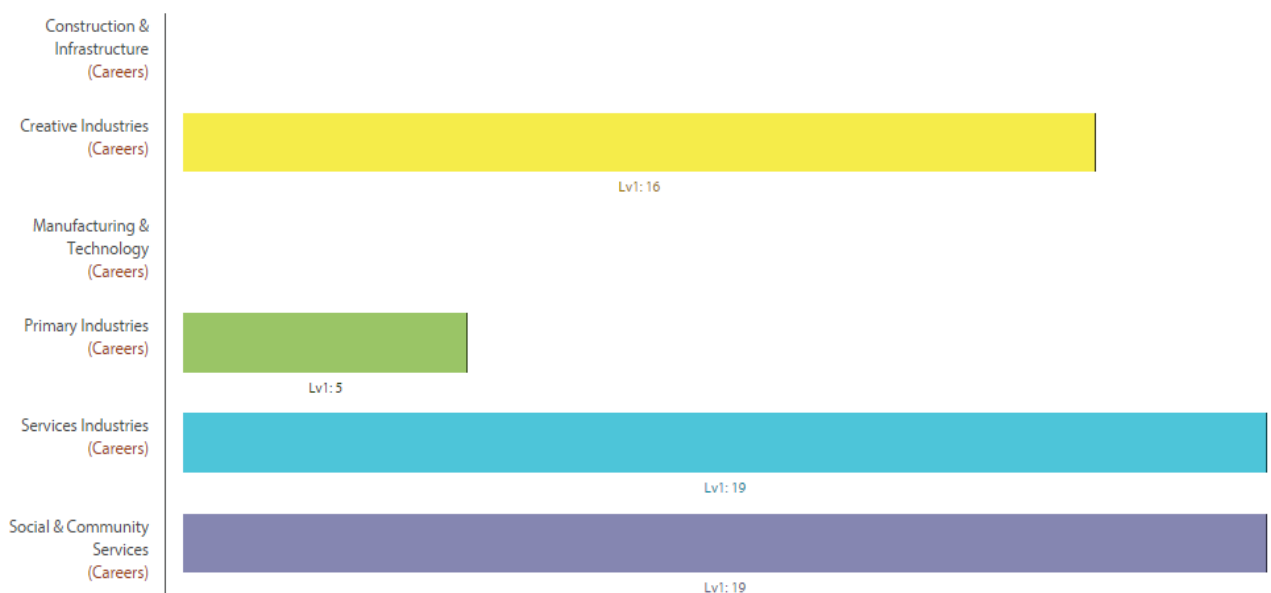
90962 : Participate actively in a variety of physical activities and explain factors that influence own participation, Level 1, 5 credits 

90963 : Demonstrate understanding of the function of the body as it relates to the performance of physical activity, Level 1, 5 credits 

90964 : Demonstrate quality movement in the performance of a physical activity, Level 1, 3 credits 

90968 : Demonstrate, and show understanding of, responsible behaviour for safety during outdoor education activities, Level 1, 3 credits 

90970 : Demonstrate self management strategies and describe the effects on participation in physical activity, Level 1, 3 credits 



Vocational Credits: 19 | Other Credits: 0 | Total: 19

R = Recommended SR = Sector Related

Level One Health Education

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Purpose – To develop knowledge and skills in Health Education.






Pathway – This course can lead to [Level Two Health Education](#).

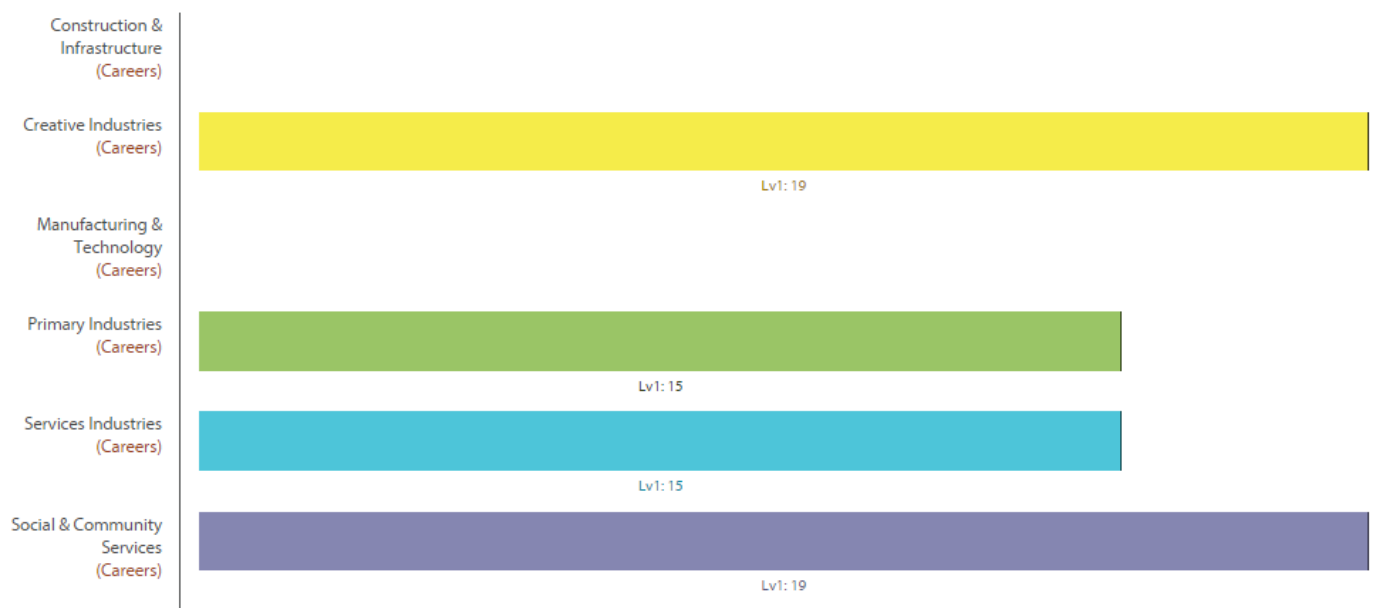
Recommended Entry – Participation in Year 10 Health Education.

Course Outline – This course offers the opportunity to experience and participate in a wide range of activities, in a variety of contexts including; Sex Education, Hauora, Interpersonal Skills, Drug and Nutrition. The main focus of this course is to equip the students with the foundation knowledge of health if you wish to pursue this area in the future as well as improving a variety of interpersonal skills.

Course Fees – There are no course fees.

Assessment Information – 19 Credits (8 External) -

- 90971 : Take action to enhance an aspect of personal well-being, Level 1, 3 credits 
- 90972 : Demonstrate understanding of influences on adolescent eating patterns to make health-enhancing recommendations, Level 1, 4 credits 
- 90974 : Demonstrate understanding of strategies for promoting positive sexuality, Level 1, 4 credits 
- 90975 : Demonstrate understanding of issues to make health-enhancing decisions in drug-related situations, Level 1, 4 credits 
- 91097 : Demonstrate understanding of ways in which well-being can change and strategies to support well-being, Level 1, 4 credits 



Vocational Credits: 19 | Other Credits: 0 | Total: 19
R = Recommended SR = Sector Related

Level One Sports Education

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Purpose – To develop knowledge and skills in Sports Education.


Pathway – This course can lead to [Level Two Sports Education](#) or [Level Two Physical Education](#).

Recommended Entry – Good participation and a keen interest in Year 10 Physical Education.


Course Outline – Through maximum participation in a wide variety of sports students will develop skills, co-ordination and fitness thereby increasing their self-confidence and self-discipline. They will learn to work as a team and develop leadership skills while being inclusive and socially responsible. Sports covered are ultimate, swimming, athletics, turbo touch, badminton, basketball, table tennis, tennis and fitness studies.

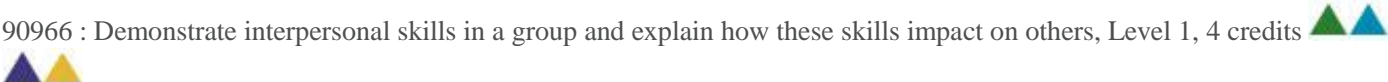
Course Fees – There are no course fees.


Assessment Information – 19 Credits (0 External *Even though there are no externals this course is one of a few internally only assessed courses that can still pick up a course endorsement*) -

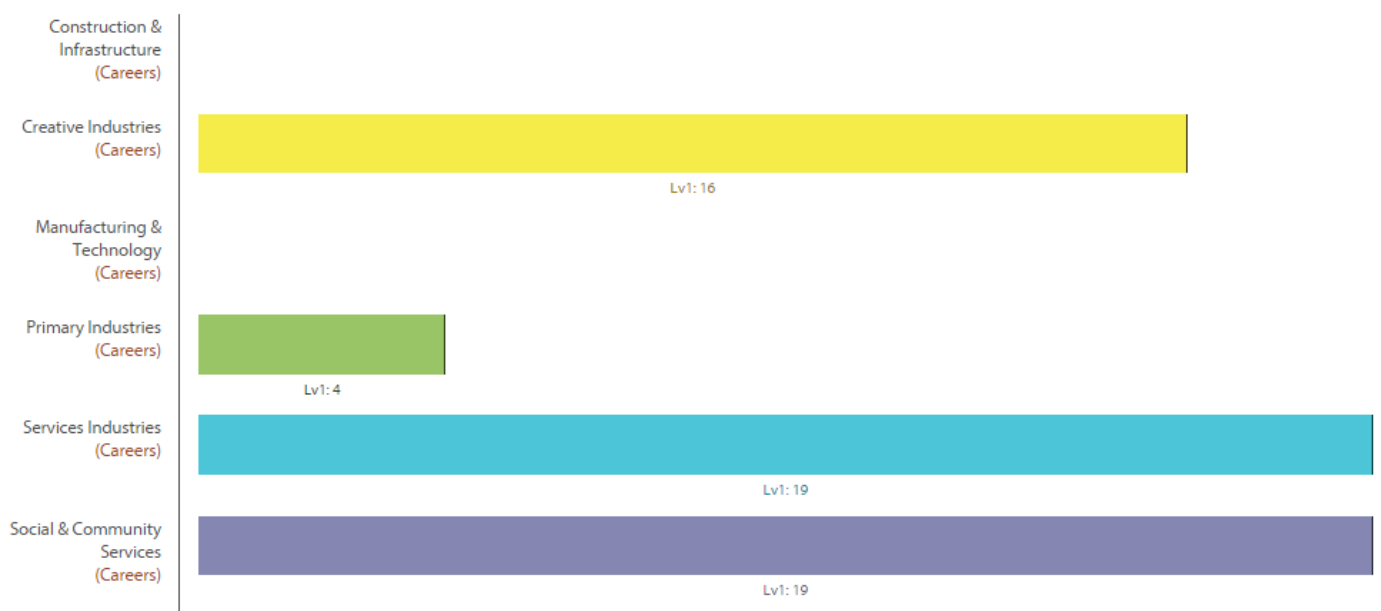
90962 : Participate actively in a variety of physical activities and explain factors that influence own participation, Level 1, 5 credits 

90964 : Demonstrate quality movement in the performance of a physical activity, Level 1, 3 credits 

90965 : Demonstrate understanding of societal influences on physical activity and the implications for self and others, Level 1, 4 credits 

90966 : Demonstrate interpersonal skills in a group and explain how these skills impact on others, Level 1, 4 credits 

90968 : Demonstrate, and show understanding of, responsible behaviour for safety during outdoor education activities, Level 1, 3 credits 



Vocational Credits: 19 | Other Credits: 0 | Total: 19

R = Recommended SR = Sector Related

Level One Outdoor Education

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Purpose – To develop knowledge and skills in Outdoor Education.

Pathway – This course can lead to [Level Two Physical Education](#), Level Two Sports Education or [Level Two Outdoor Education](#).

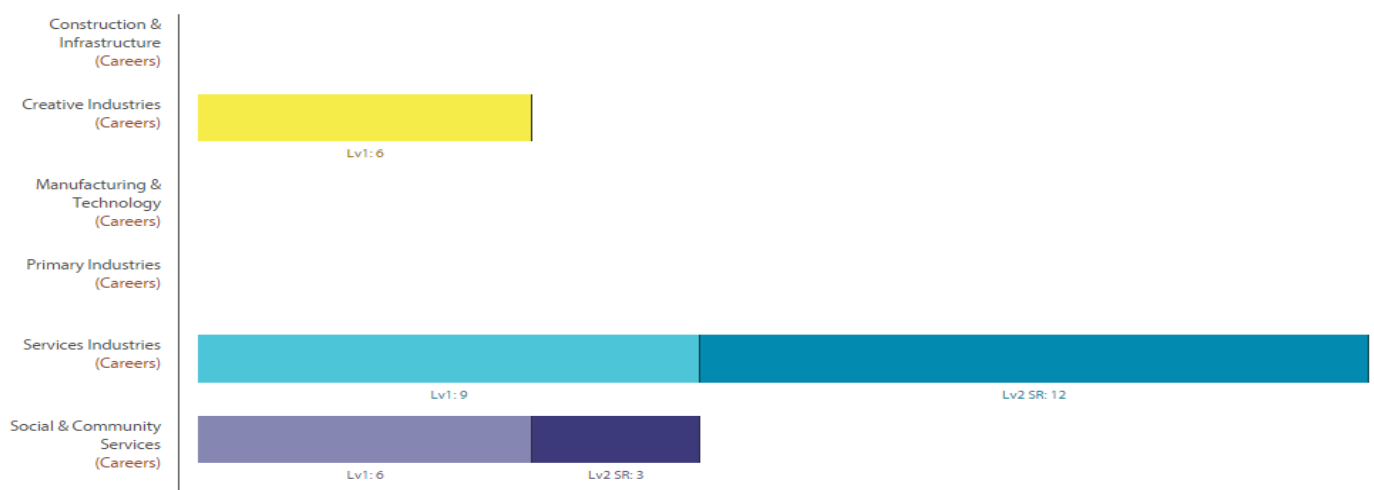
Recommended Entry – Good participation and a keen interest in Year 10 Physical Education.

Course Outline – This is a practical and theory based course using both achievement standards and unit standards, aimed to develop your knowledge and skills in the great outdoors through activities and outings in our local environment. You will learn self-management skills and how to prepare yourself for a range of outdoor activities including surfing, kayaking, mountain biking, tramping and camping. As Waihi College has our own fleet of bikes and kayaks there will be plenty of opportunity to develop your knowledge and skills in these disciplines. While the course focuses on experience and the development of personal skills and teamwork in the outdoors, students will also learn about aspects of leadership and risk management.

Course Fees – \$365.

Assessment Information – 21 Credits (0 External *no endorsement in this option class.*) -

- 425 : Experience day tramps, Level 2, 3 credits ●
- 426 : Experience camping, Level 2, 3 credits ●
- 470 : Demonstrate personal and social development through participation in a low ropes course programme, Level 2, 3 credits ●●
- 6400, 6401,6402 Basic First Aid 5 Credits
- 20137 : Mountain bike on easy to intermediate terrain, Level 1, 1 credits ▲
- 20138 : Select, set up and maintain a mountain or cycle touring bike, Level 2, 3 credits ●
- 90964 : Demonstrate quality movement in the performance of a physical activity, Level 1, 3 credits ▲▲▲
- 90966 : Demonstrate interpersonal skills in a group and explain how these skills impact on others, Level 1, 4 credits ▲▲▲▲
- 90967 : Demonstrate strategies to improve the performance of a physical activity and describe the outcomes, Level 1, 3 credits ▲▲▲
- 90970 : Demonstrate self management strategies and describe the effects on participation in physical activity, Level 1, 3 credits ▲▲▲



Vocational Credits: 21 | Other Credits: 0 | Total: 21
R = Recommended SR = Sector Related

Level One Art Photography

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Purpose – To develop knowledge and skills in a range of visual arts.

Pathway – This course can lead to [Level Two Art Painting](#) or Level [Two Art Photography](#).

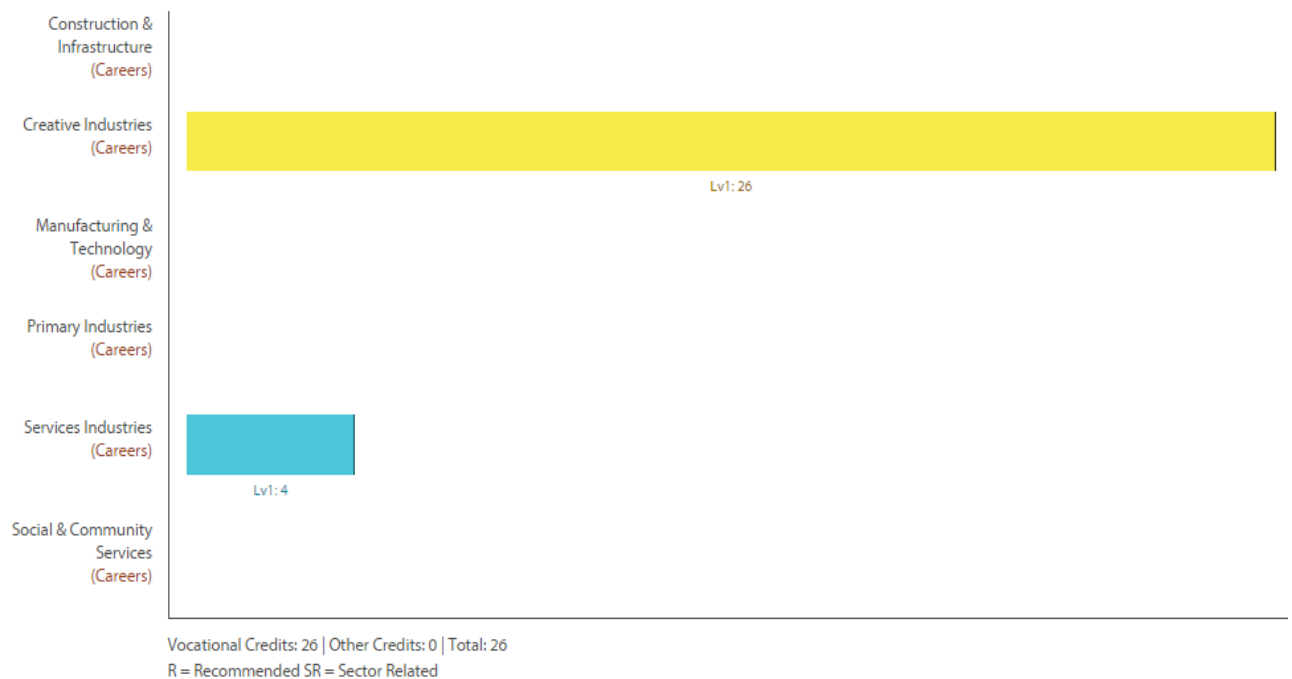
Recommended Entry – Year 10 Art.

Course Outline – This course challenges the student to develop art works and express ideas in a range of art making media through the study of a number of artists' works. The primary drawing method is photography, and photographs are reinterpreted in other media and styles. The student develop basic darkroom and digital photography skills, use some Photoshop processes, learn printmaking processes, extend their tonal painting skills and learn to communicate ideas through their art works.

Course Fees – \$20 for materials and equipment. Students will also need printing credit.

Assessment Information – 26 Credits (12 Credits are externally assessed as a portfolio of work not an examination) -

- 90913 : Demonstrate understanding of art works from Maori and other cultural contexts using art terminology, Level 1, 4 credits ▲▲
- 90914 : Use drawing methods and skills for recording information using wet and dry media, Level 1, 4 credits ▲
- 90915 : Use drawing conventions, Level 1, 6 credits ▲
- 90916 : Produce a body of work informed by established practice, which develops ideas, using a range of media, Level 1, 12 credits ▲



Level One Art Painting

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Purpose – To develop knowledge and skills in a range of visual arts.

Pathway – This course can lead to [Level Two Art Painting](#) or [Level Two Art Photography](#).

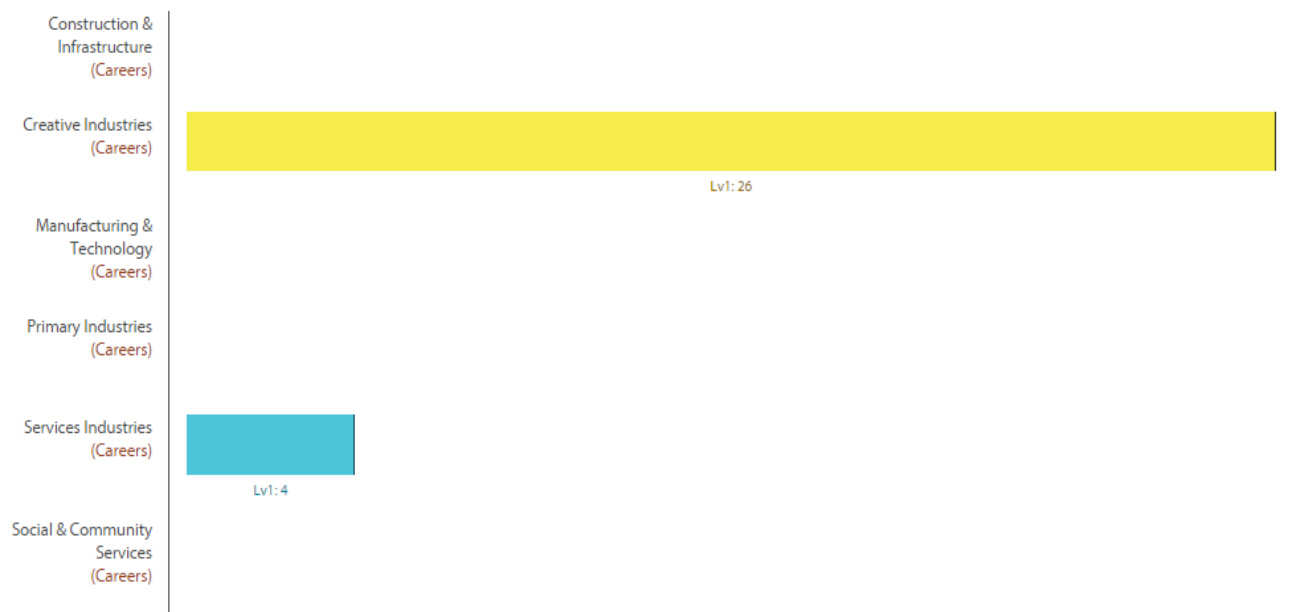
Recommended Entry – Year 10 Art.

Course Outline – This course challenges the student to develop art works and express ideas in a range of art making media through the study of a number of artists' works. Students extend their existing drawing and painting skills and learn printmaking processes. These skills are then applied in mixed media artworks which communicate ideas.

Course Fees – \$40 for materials and equipment.

Assessment Information – 26 Credits (12 Credits are externally assessed as a portfolio of work not an examination) -

- 90913 : Demonstrate understanding of art works from Maori and other cultural contexts using art terminology, Level 1, 4 credits ▲▲
- 90914 : Use drawing methods and skills for recording information using wet and dry media, Level 1, 4 credits ▲
- 90915 : Use drawing conventions, Level 1, 6 credits ▲
- 90916 : Produce a body of work informed by established practice, which develops ideas, using a range of media, Level 1, 12 credits ▲



Vocational Credits: 26 | Other Credits: 0 | Total: 26
R = Recommended SR = Sector Related

Level One Drama

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Purpose – To develop knowledge and skills in Drama. To establish academic and professional pathways.







Pathway – This course can lead to [Level Two Drama](#).

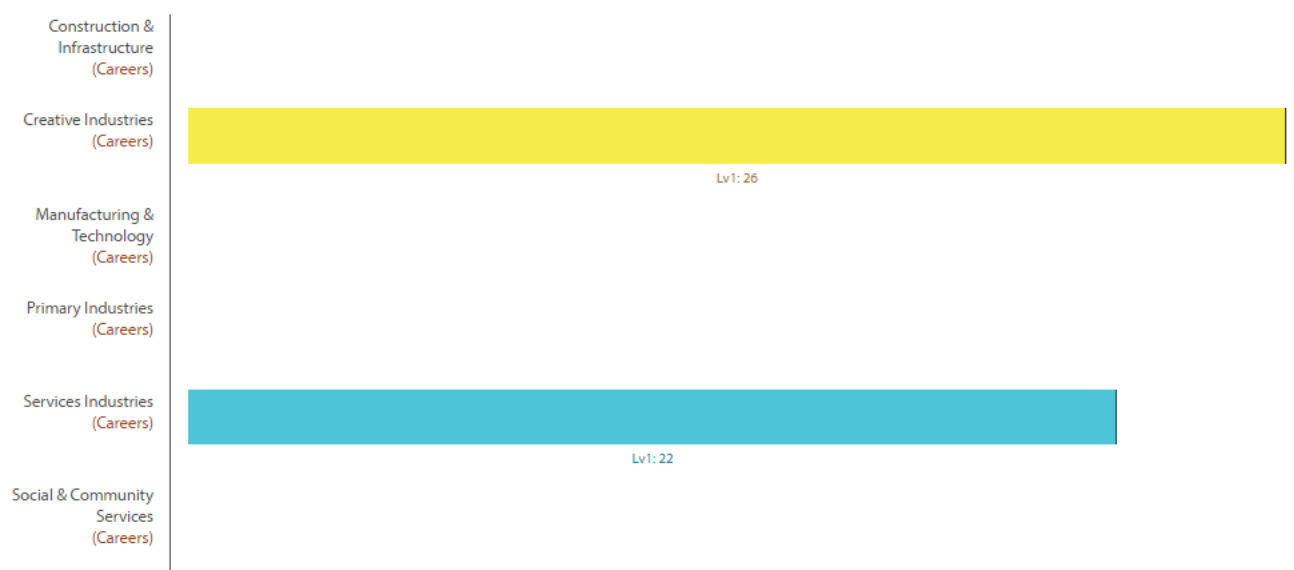
Recommended Entry – Year 10 Drama is recommended. Important to have an established interest in drama, production and/or live performance.

Course Outline – The Level One Drama programme offers some unique opportunities for students to engage with the skills and technologies of dramatic play, and students will attend professional theatrical productions as part of their coursework. All credits offered count towards literacy requirements and the course begins an academic pathway which is suitable for any students anticipating tertiary study. The programme also seeks to offer first hand experiences of Drama related professions and enables students to form professional relationships with potential employers.

Course Fees – \$20 materials and \$48 Field Trip.

Assessment Information – 26 Credits of which 4 are externally assessed (note all standards offered in Level One Drama contribute to the Literacy component of NCEA level one). Additional performing arts technology units in areas such as lighting, construction and set design can be made available for students who signal their interest.

- 90006 : Apply drama techniques in a dramatic context, Level 1, 4 credits 
- 90009 : Perform an acting role in a scripted production, Level 1, 5 credits 
- 90011 : Demonstrate understanding of the use of drama aspects within live performance, Level 1, 4 credits 
- 90997 : Devise and perform a drama, Level 1, 5 credits 
- 90999 : Select and use features of a drama/theatre form in a performance, Level 1, 4 credits 
- 91000 : Demonstrate understanding of a significant play, Level 1, 4 credits 



Vocational Credits: 26 | Other Credits: 0 | Total: 26
R = Recommended SR = Sector Related

Level One Music

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Purpose – To develop knowledge and skills in Music.

Pathway – This course can lead to [Level Two Music](#).

Recommended Entry – Three years instrumental experience or a strength in singing.

Course Outline – The three main thrusts of the Level One Music course are performance, composition using computers technology, and musical analysis, all at a basic level. Students will have the opportunity to perform as soloists and in groups to gain credits, and to write and perform their own material. Music theory for beginners will be part of the course. This is not the course for students who wish to learn an instrument at the beginner level (see Mr Paton directly about arranging this). Also offered is a performing arts technology unit standard, sound system technology for performers.

Course Fees – \$20.

Assessment Information – 30 Credits (8 External) -

26687 : Demonstrate and apply knowledge of sound technology for a performance context, Level 1, 4 credits ▲

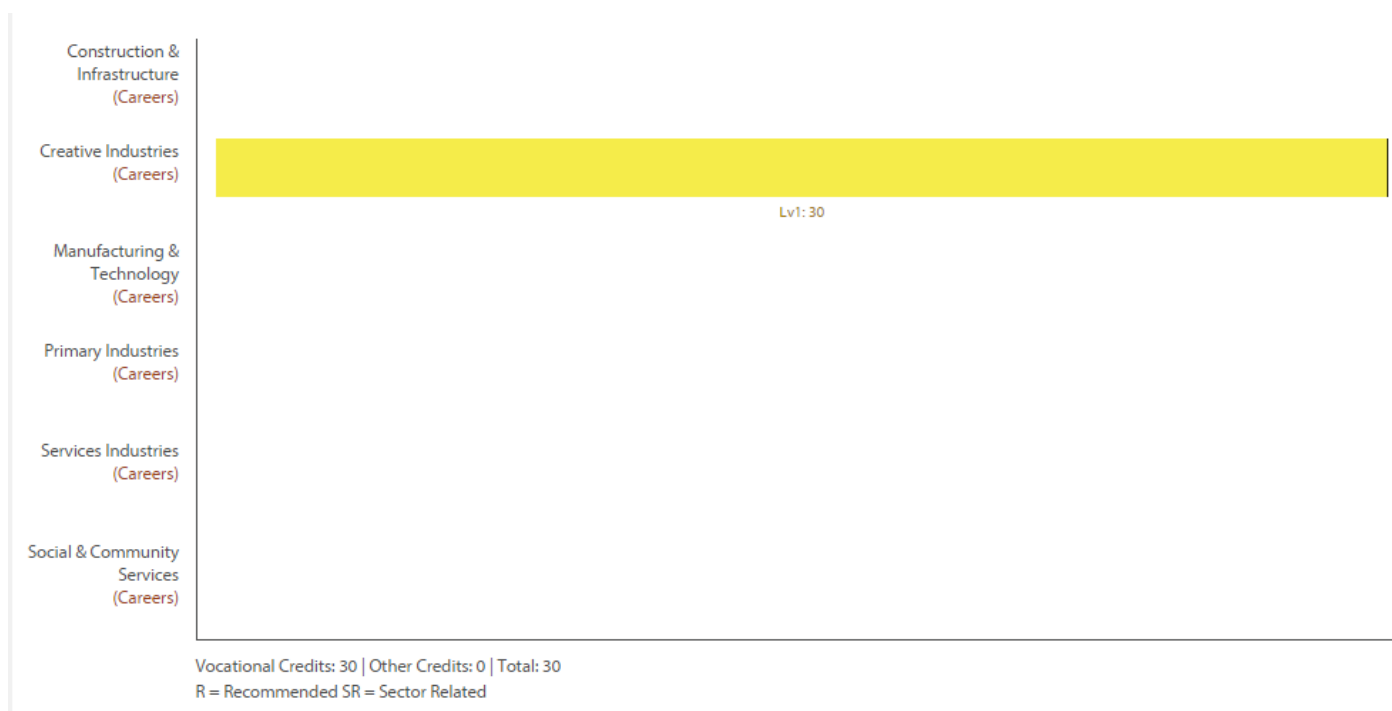
91090 : Perform two pieces of music as a featured soloist, Level 1, 6 credits ▲

91091 : Demonstrate ensemble skills through performing a piece of music as a member of a group, Level 1, 4 credits ▲

91092 : Compose two original pieces of music, Level 1, 6 credits ▲

91094 : Demonstrate knowledge of conventions used in music scores, Level 1, 4 credits ▲

91095 : Demonstrate knowledge of two music works from contrasting contexts, Level 1, 6 credits ▲



Level One Graphics (DVC)

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Purpose – Graphics (aka Design and Visual Communication) develop knowledge and skills in designing Architecture and Products.







Pathway – This course can lead to [Level Two Graphics](#) and/or [Level Two Building](#).

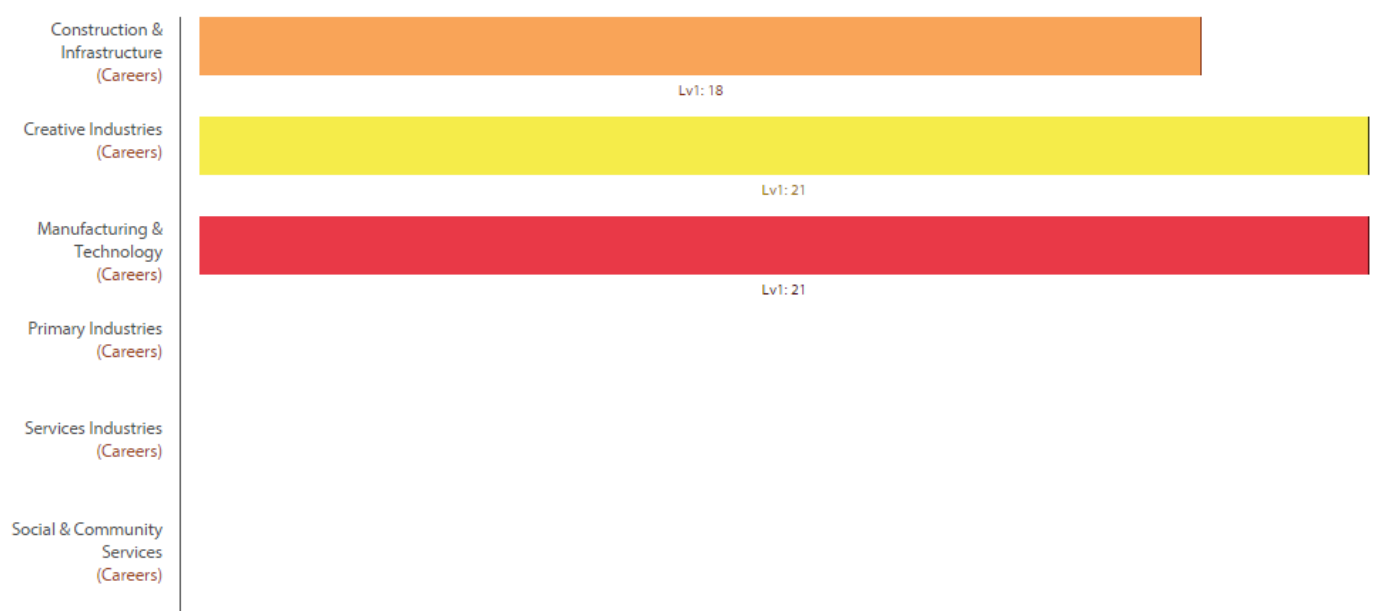
Recommended Entry – An interest in design.

Course Outline – This course challenges students to think about the fundamentals of design and how this is used in developing Products and Architecture. Briefs or units of work are used to solve Architecture and Product Design problems. Students will learn to use sketching techniques, produce formal drawings using instruments; computer presentation and computer based drawing programmes.

Course Fees – The purchase of their own equipment and stationery.

Assessment Information – 21 Credits (9 External *these are assessed as a portfolio/evidence of work there will be no exam*) -

- 91063 : Produce freehand sketches that communicate design ideas, Level 1, 3 credits 
- 91064 : Produce instrumental, multi-view orthographic drawings that communicate technical features of design ideas, Level 1, 3 credits 
- 91065 : Produce instrumental paraline drawings to communicate design ideas, Level 1, 3 credits 
- 91066 : Use rendering techniques to communicate the form of design ideas, Level 1, 3 credits 
- 91067 : Use the work of an influential designer to inform design ideas, Level 1, 3 credits 
- 91068 : Undertake development of design ideas through graphics practice, Level 1, 6 credits 



Vocational Credits: 21 | Other Credits: 0 | Total: 21
R = Recommended SR = Sector Related

Level One Building and Construction

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Purpose – To develop theoretical knowledge, skills and processes for furniture making and the building and construction industry.

Pathway – This course leads to [Level Two Building](#).

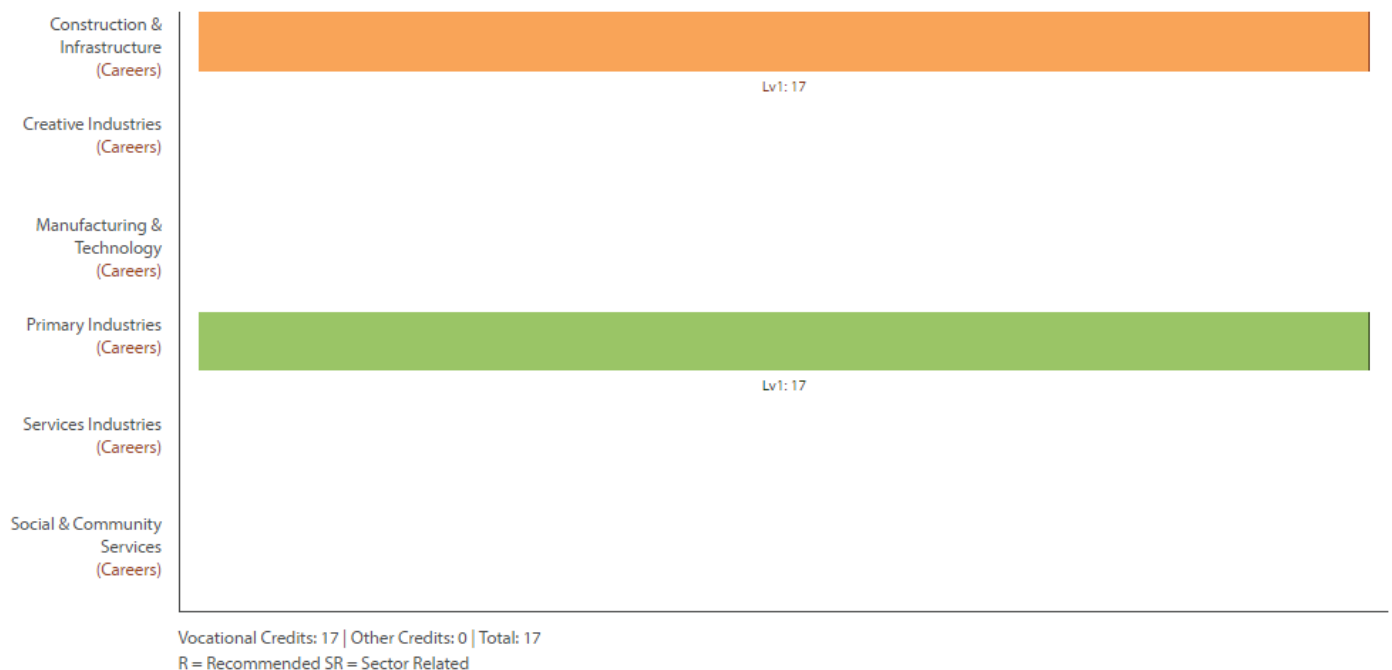
Recommended Entry – Minimum of Year 10 Technology (Foundation Course), year 10 Graphics and/or a discussion with Mr Allen.

Course Outline – This course is an industry based course for students wishing to follow a pathway into tertiary/trades related careers. Students will be introduced to and use hand tools, portable power tools and fixed machinery. Completed projects, theory and evidence of learning are submitted for assessment. Examples of work and products to be independently designed and constructed include a cutting board and multi-purpose storage box.

Course Fees – \$55 for materials that are used in the projects (independently designed storage box and cutting board). *N.b. at the end of the course the finished products are the students to keep.*

Assessment Information – 17 Level One Credits (0 External all of the standards are unit standards and therefore only have maximum 'Achieved' level grades) -

- 24355 : Demonstrate knowledge of construction and manufacturing materials used in BCATS projects, L1, 4cds 
- 24356 : Apply elementary workshop procedures and processes for BCATS projects, Level 1, 8 credits 
- 25919 : Use hardware and fastenings for a BCATS project, Level 1, 2 credits 
- 25920 : Use joints for a BCATS project, Level 1, 3 credits 



Level 1 & 2 Computer Programming

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Purpose – To develop knowledge and skills in the programming language of computers. .

Pathway – This course can lead to opportunities to study extramurally National Certificate in Computing (Level Two & Level Three).

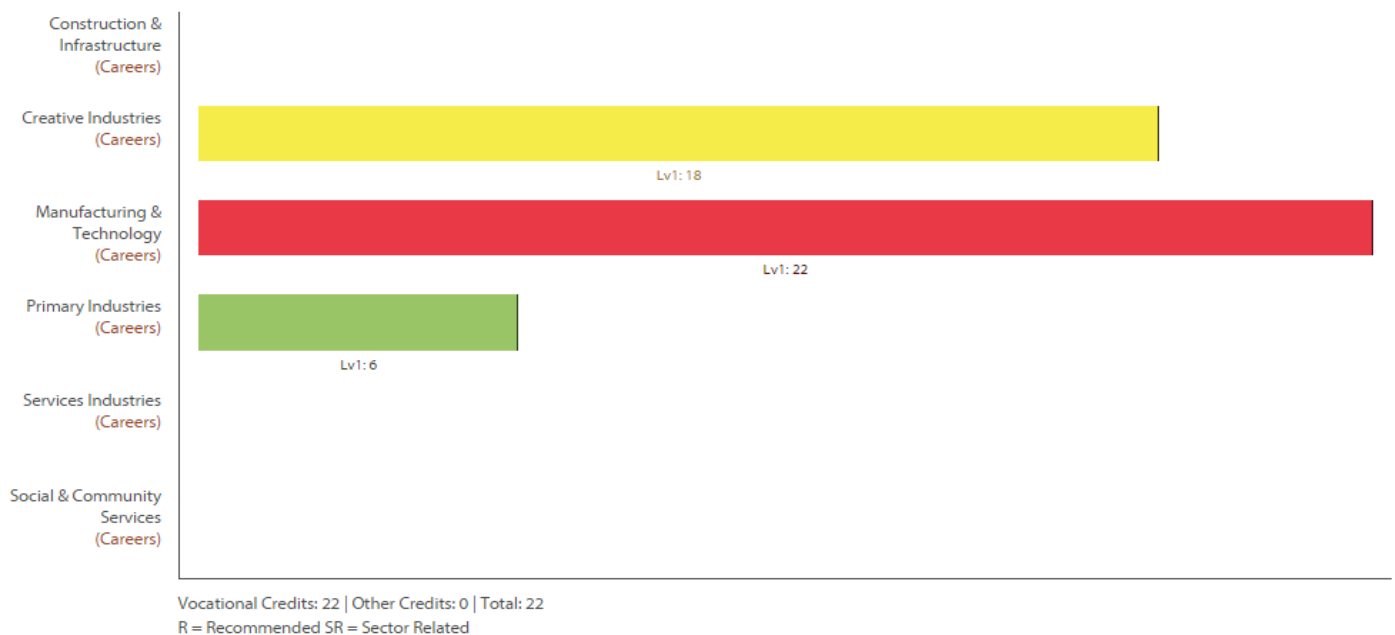
Recommended Entry – An interest and aptitude with computers, programming and software.

Course Outline – If you are interested in entering the world of the computer then this subject could. We will be working through the design process, creating games, programming APPS and scripts. If this makes sense then Level 1 Computer Programming may be for you. If you demonstrate strong capabilities in this subject then Level 2 Credits will be available in place of the level 1 standards.

Course Fees – There are no course costs.

Assessment Information – 21 Credits (4 External)

- 91075 : Construct a plan for a basic computer program for a specified task, Level 1, 3 credits ▲▲
- 91076 : Construct a basic computer program for a specified task, Level 1, 3 credits ▲▲
- 91077 : Demonstrate understanding of basic concepts used in the design and construction of electronic environments, Level 1, 3 credits ▲▲▲
- 91078 : Implement basic interfacing procedures in a specified electronic environment, Level 1, 3 credits ▲▲▲
- 91079 : Implement basic techniques in constructing a specified electronic and embedded system, Level 1, 3 credits ▲▲
- 91080 : Demonstrate understanding of the common components of basic digital infrastructures, Level 1, 3 credits ▲▲
- 91081 : Implement basic procedures for servicing a personal computer system, Level 1, 4 credits ▲



Level Two Standards are available for students successfully achieving Level One. Negotiated with teacher.

Level One Home Economics

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Purpose – To develop knowledge and skills in food safety and nutrition.

Pathway – This course can lead to [Level Two Catering](#).

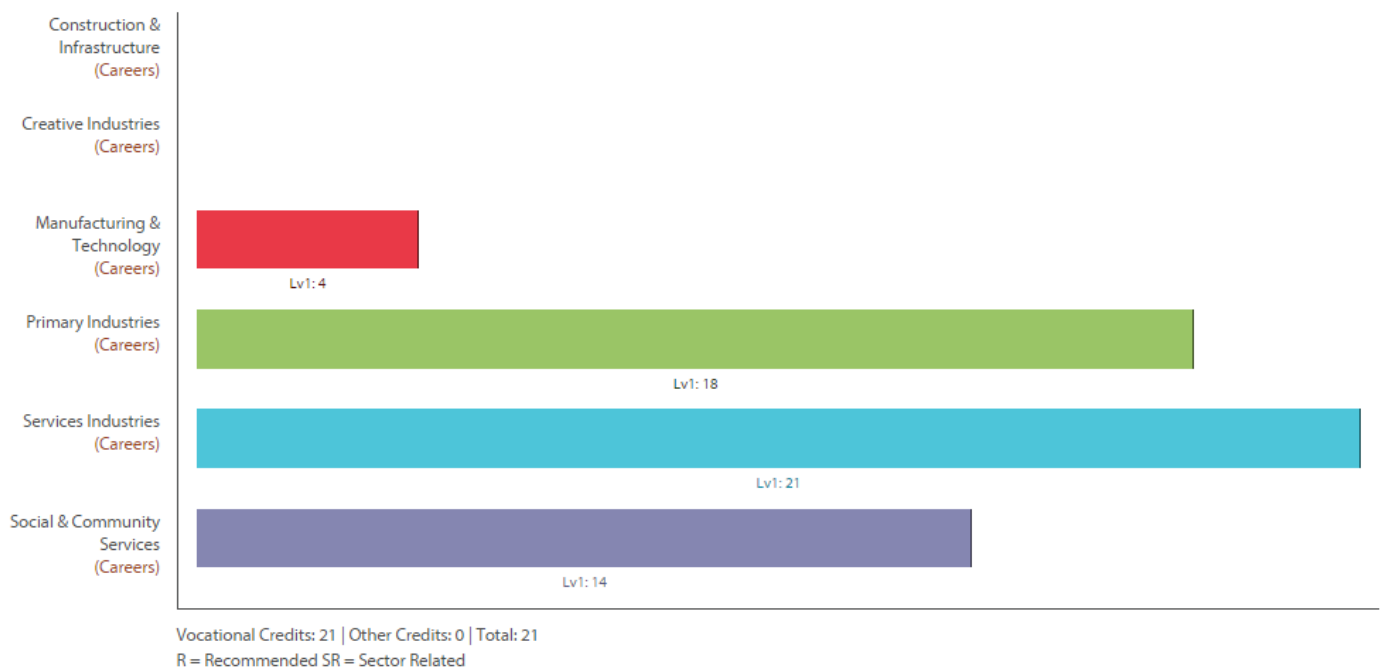
Recommended Entry – An interest in food and food preparation.

Course Outline – Home Economics develops the students' knowledge and understanding of food and nutrition with an emphasis on food for teenagers. Students will complete three achievement standards and one hospitality standard. They will also complete one external standard.

Course Fees – \$50 for materials that are used in creating the meals.

Assessment Information – 21 Credits (4 External)

- 15921 : Prepare and cook a cake, a sponge and a batch of scones in the hospitality industry, Level 1, 3 credits ▲
- 90956 : Demonstrate knowledge of an individual's nutritional needs, Level 1, 5 credits ▲▲▲
- 90959 : Demonstrate knowledge of practices and strategies to address food handling issues, Level 1, 5 credits ▲▲▲
- 90961 : Demonstrate understanding of how packaging information influences an individual's food choices and well-being, Level 1, 4 credits ▲▲▲
- 91082 : Implement basic procedures to process a specified product, Level 1, 4 credits ▲▲



Level One Textiles

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Purpose – To establish skills and understanding of technological practise with soft materials.

Pathway – This course can lead to [Level Two Textiles](#).

Recommended Entry – A willingness to work with your hands and a keen interest in fabric and design.

Course Outline – This course starts off with basic understanding of patterns and the use of machines. Students will look at how designs are inspired, the use of design language and understanding of key aspects of design. Students will learn how to create some basic modified patterns.

Course Fees – \$45 to cover the materials used in class, but students will need to provide additional materials for their assignment work as well.

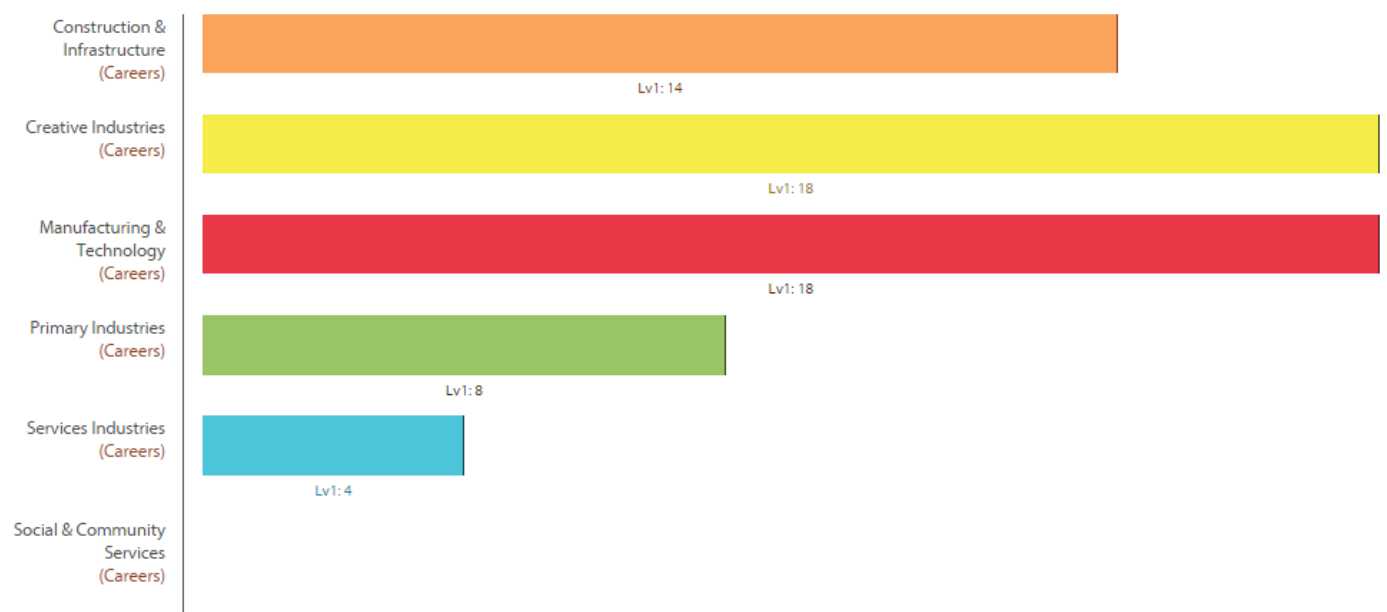
Assessment Information – 17 Credits (4 External *these are assessed as a portfolio/evidence of work there will be no exam*)

91044 : Undertake brief development to address a need or opportunity, Level 1, 4 credits 

91048 : Demonstrate understanding of how technological modelling supports decision-making, Level 1, 4 credits 


91058 : Implement basic procedures using textile materials to make a specified product, Level 1, 6 credits 

91096 : Make basic adaptations to a pattern to enable a design to fit a person or item, Level 1, 4 credits 



Vocational Credits: 18 | Other Credits: 0 | Total: 18
R = Recommended SR = Sector Related

Level One Media Design

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Purpose – To develop knowledge and skills with design programmes while learning the principles and elements of design.






Pathway – This course can lead to [Level Two Media Design](#).

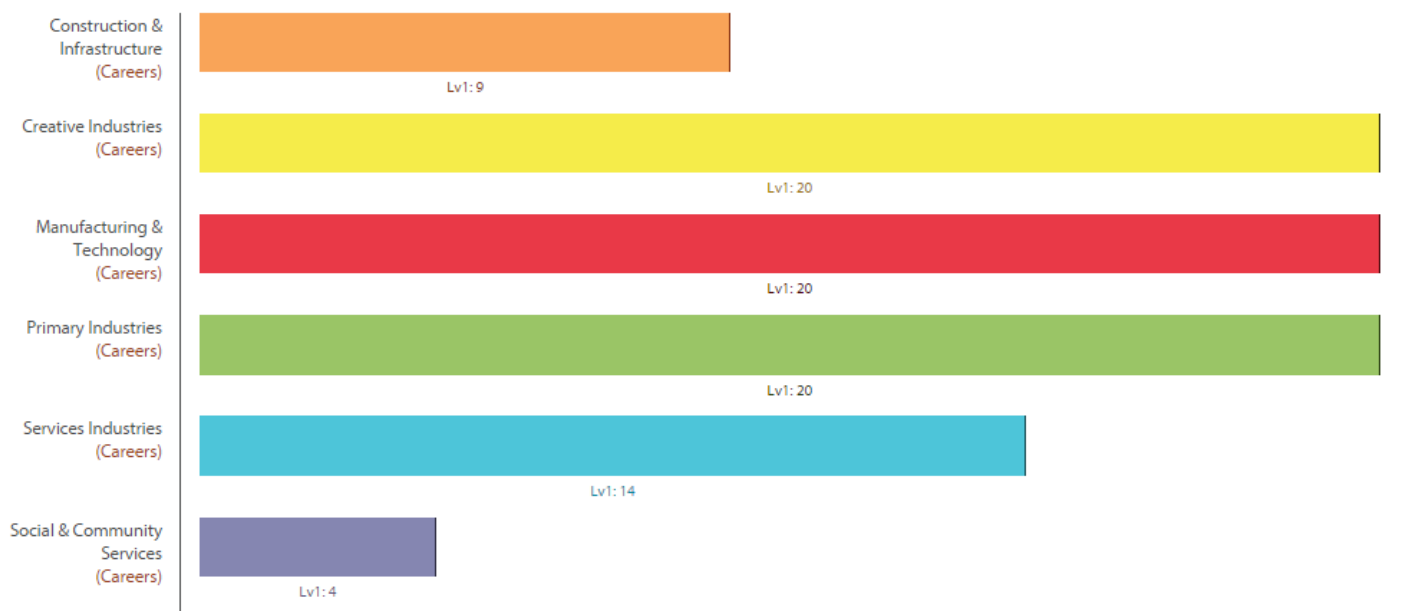
Recommended Entry – Year 10 ICT.

Course Outline – This course challenges the student to think about how we use Visual Design in our lives to communicate ideas. The students will have a chance to learn Dreamweaver, Photoshop and Microsoft products.

Course Fees – Usual fees and print credit.

Assessment Information – 20 Credits (3 External)

- 91047 : Undertake development to make a prototype to address a brief, Level 1, 6 credits 
- 91053 : Demonstrate understanding of design elements, Level 1, 3 credits 
- 91071 : Implement basic procedures to produce a specified digital info outcome, Level 1, 4 credits 
- 91072 : Demonstrate understanding of basic concepts of digital media, Level 1, 3 credits 
- 91073 : Implement basic procedures to produce a specified digital media outcome, Level 1, 4 credits 



Vocational Credits: 20 | Other Credits: 0 | Total: 20
R = Recommended SR = Sector Related

Level One Product Design

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Purpose – This course is about students using creative ways to solve design based problems. They will learn a variety of techniques and theories to design and manufacture products as solutions to real world problems.






Pathway – This course can lead to [Level Two Product Design](#) and/or [Level Two Building](#) and/or [Level Two Tools For Work](#).

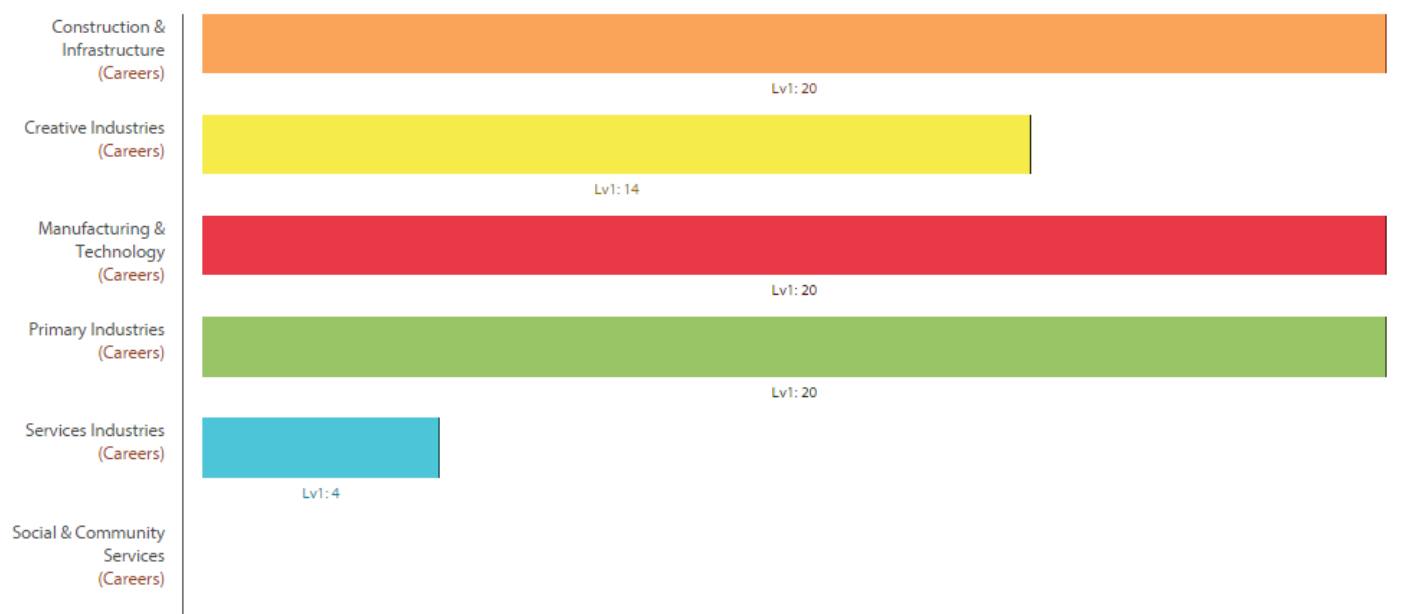
Recommended Entry – A keen attitude and a willingness to create and design.

Course Outline – This course requires students to manufacture a specified product and develop that product to meet the needs of the intended user.

Course Fees – \$55.

Assessment Information – 20 Credits (4 External *these are assessed as a portfolio/evidence of work there will be no exam*)

- 91044 : Undertake brief development to address a need or opportunity, Level 1, 4 credits 
- 91047 : Undertake development to make a prototype to address a brief, Level 1, 6 credits 
- 91049 : Demonstrate understanding of how materials enable technological products to function, Level 1, 4 credits 

- 91057 : Implement basic procedures using resistant materials to make a specified product, Level 1, 6 credits 



Vocational Credits: 20 | Other Credits: 0 | Total: 20
R = Recommended SR = Sector Related

Level One SPEC

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NOT OFFERED IN 2017

Purpose – SPEC stands for “Specific Preparation for Employment and Citizenship : Developing the Key Competencies” - To develop the key competencies (from the NZ Curriculum Document) and prepare the students for part time and/or full time employment.








Pathway – This course can lead to [Level Two SPEC](#).

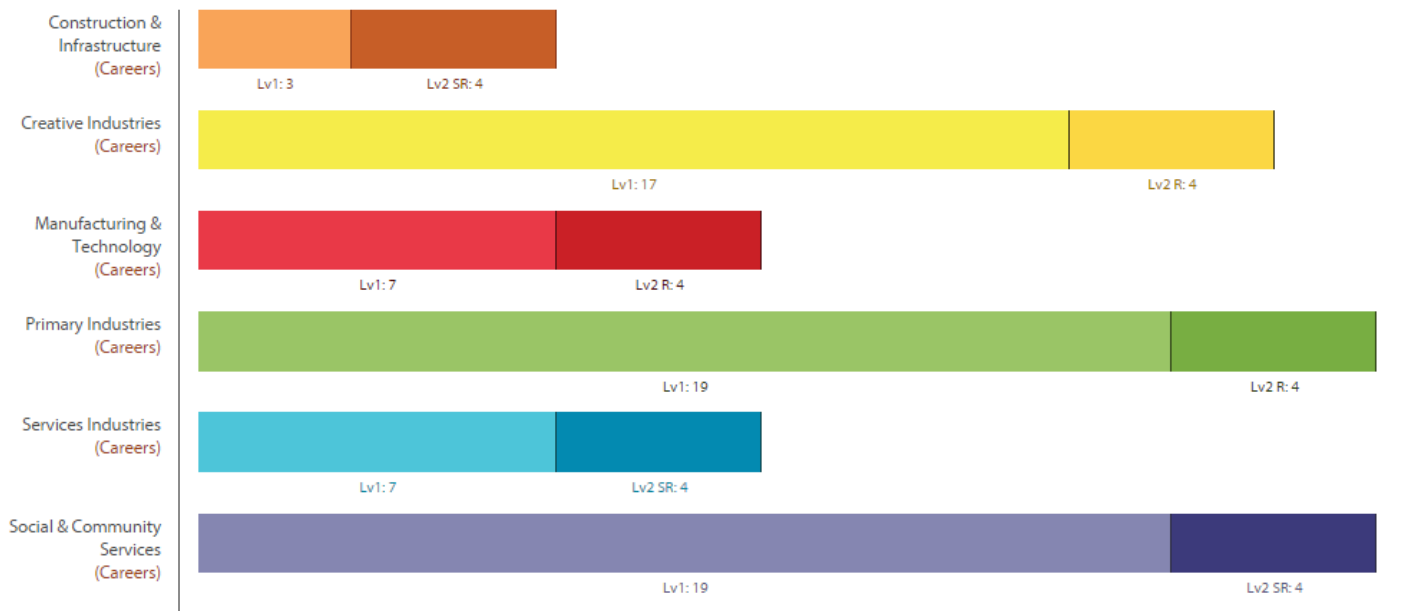
Recommended Entry – There is open entry to this course for all students.

Course Outline – This course challenges the students to identify their strengths and prove opportunities to demonstrate the “Key Competencies” (thinking, relating, participation & contribution, managing self and using language/symbols/text). This is done through a personal development programme. At year 11 students complete the SPEC ‘Shooting Star’ and ‘One Star Award’ which are part of the requirements for the NZQA approved “Certificate of Mainstream Studies Level One” which is completed over two years. Alongside these students complete unit standards based around preparation for employment. [Gateway](#) can also sit alongside the SPEC programme and additional unit standards may also be made available where needed.

Course Fees – \$20 and print credit.

Assessment Information – 17 Level One Credits and 5 Level Two Credits (0 External)

- 497 : Demonstrate knowledge of workplace health and safety requirements, Level 1, 3 credits 
- 504 : Produce a CV (curriculum vitae), Level 1, 2 credits 
- 1285 : Make inquiries and complete practical transactions, Level 1, 4 credits 
- 3501 : Demonstrate knowledge of and apply listening techniques, Level 1, 3 credits 
- 3503 : Participate and communicate in a team or group to complete a routine task, Level 1, 2 credits 
- 9707 : Demonstrate knowledge of workplace communications requirements, Level 1, 5 credits 
- 17593 : Apply safe work practices in the workplace, Level 2, 4 credits 



Vocational Credits: 23 | Other Credits: 0 | Total: 23
 R = Recommended SR = Sector Related

Level One Te Reo Maori

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Purpose – To provide student with basic reading, writing and speaking skills in Te Reo.

Pathway – This course can lead to [Level Two Te Reo](#).

Recommended Entry – Year 10 Te Reo Maori.

Course Outline – This Level One academic course includes the study of Te Reo Maori me Tikanga. The course provides students an opportunity to connect with the Maori culture and language.

Course Fees – There are no course fees.

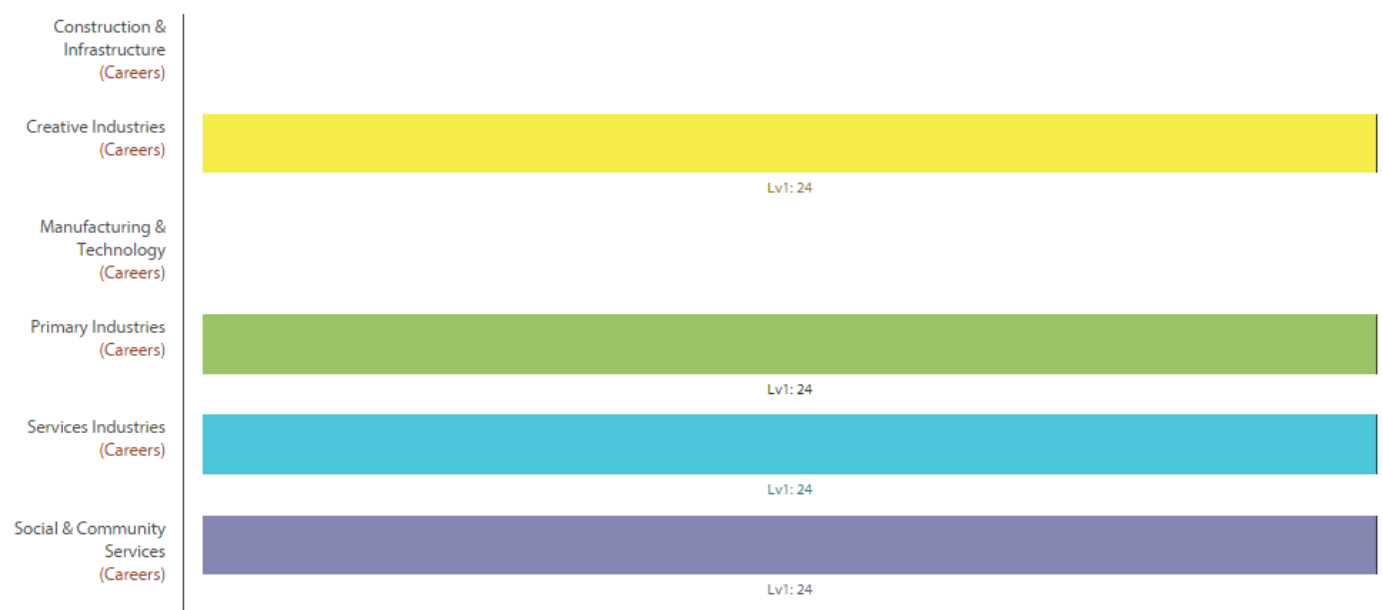
Assessment Information – 24 Credits (12 External)

91085 : Whakarongo kia mohio ki te reo o tona ao, Level 1, 6 credits 

91086 : Korero kia whakamahi i te reo o tona ao, Level 1, 6 credits 

91087 : Panui kia mohio ki te reo o tona ao, Level 1, 6 credits 

91088 : Tuhi i te reo o tona ao, Level 1, 6 credits 



Vocational Credits: 24 | Other Credits: 0 | Total: 24

R = Recommended SR = Sector Related

Level Two Accounting

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Purpose – To develop knowledge and skills in Accounting.







Pathway – This course can lead to [Level Three Accounting](#).

Recommended Entry – [Level One Accounting](#) or Mathematics ([Advanced](#)).

Course Outline – This course is aimed students who have completed Level One Accounting. Students who have not taken Level One Accountancy can do this course if they are sufficiently motivated and confident with Mathematics. The course is essentially a more in-depth study of what was learnt in Level One, regarding business and finance.

Course Fees – \$10 Course Materials.

Assessment Information – 15 Credits (9 External) -

- 91175 : Demonstrate understanding of accounting processing using accounting software, Level 2, 4 credits  
- 91176 : Prepare financial information for an entity that operates accounting subsystems, Level 2, 5 credits 
- 91177 : Interpret accounting information for entities that operate accounting subsystems, Level 2, 4 credits 
- 91179 : Demonstrate understanding of an accounts receivable subsystem for an entity, Level 2, 3 credits 
- 91386 : Demonstrate understanding of an inventory subsystem for an entity, Level 2, 3 credits 



Level Two Advanced English

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Purpose – English at Waihi College seeks to nurture the key skills you have, and develop then so that you can live and learning today and in the future. English is about thinking; using language, symbols and texts; participating and contributing; relating to others and managing self.






Pathway – This course includes University Entrance Literacy Standards and leads to [Level Three English](#)

Recommended Entry – Evidence of good passing grades in [Level One Advanced English](#) or [Level One English](#) – including at least one externally assessed Level One English standard.

Course Outline – This course is designed for students who may not easily achieve UE literacy across their other subjects. Credits gained can also contribute to a range of career pathways including, polytechnic course entrance requirements, and a range of vocational pathways. Preferably, students who take this course will have a minimum of 15 Level 1 English credits (this includes credits gained from an external). It is not suitable for those who wish to progress to Level 3 English and who may wish to study English or an associated subject at university level.

Course Fees – There are no course fees.

Assessment Information – possible 21 Credits (8 External) -

- 91099 : Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence, L2, 4 crds 
(UE Writing)
- 91100 : Analyse significant unfamiliar written text(s) through close reading, with evidence, L2, 4 crds 
(UE Reading and Writing)
- 91101 : Produce a selection of crafted and controlled writing, Level 2, 6 credits  (UE Writing)
- 91104 : Analyse significant connections across texts, supported by evidence, Level 2, 4 credits 
- 91107 : Analyse visual and/or oral text(s) through close viewing and/or listening, supported by evidence, L2, 3 credits 



Vocational Credits: 21 | Other Credits: 0 | Total: 21
R = Recommended SR = Sector Related

Level Two Building and Construction

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Purpose – To further develop Level 1 learning of theoretical knowledge, skills and processes for the building and construction industry and furniture making.

Pathway – This course can lead to [Level Three Building and Construction](#).

Recommended Entry – [Level One Building](#) and/or [Level One Graphics](#) and/or [Level One Product Design](#).

Course Outline – This course is an industry based course for students wishing to follow a pathway into tertiary/trades related careers. Students develop the skills needed to independently use hand tools, portable power tools and fixed machinery. Students will construct more challenging projects. Completed projects, theory and evidence of learning are submitted for assessment. Examples of work and products to be designed and constructed include a tool box, Outdoor Table and Cupboard.

Course Fees – \$55 for materials that are used in the outdoor furniture. *N.b. at the end of the course the finished products are the students to keep.*

Assessment Information – 18 Level 2 Credits Compulsory (0 External exams and *all of the standards are unit standards and therefore only have maximum 'Achieved' level grades*)

Compulsory Standards

12932 : Construct timber garden furniture and items of basic construction equipment as a BCATS project, L2, 8 crd

24357 : Receive instructions and communicate information in relation to BCATS projects, L2, 4 crds

25921 : Make a cupboard as a BCATS project, Level 2, 6 credits



Vocational Credits: 18 | Other Credits: 0 | Total: 18
R = Recommended SR = Sector Related

Level Two Automotive

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Purpose – To develop knowledge and skills in automotive maintenance/structure/mechanics.

Pathway – This course can lead to Polytechnic type courses.

Recommended Entry – This course is open entry to any able and keen students.

Course Outline – This is a practically based course where students will learn about motor vehicles. Course learning will include: dismantling motors, complete vehicle maintenance, panel beating and painting. Student will gain Industry Standards so there is some theory work required.

Course Fees – There are no course fees.

Assessment Information – 12 Credits (0 External *all of the standards are unit standards and therefore only have maximum 'Achieved' level grades*) -

- 231 : Explain the operation of two and four stroke petrol and diesel engines, Level 2, 4 credits ●
- 16113 : Demonstrate knowledge of safe working practices in an automotive workshop, Level 2, 2 credits ●
- 21669 : Demonstrate knowledge of hand tools and workshop equipment for motor industry applications, Level 2, 2 credits ●
- 21674 : Demonstrate knowledge of terminology used in the motor industry, Level 2, 2 credits ●
- 21683 : Demonstrate knowledge of MIG welding in the motor industry, Level 2, 2 credits ●
- 21858 : Demonstrate good work habits and perform safe work practices in the motor and related industries, Level 2, 4 credits ●



Vocational Credits: 16 | Other Credits: 0 | Total: 16
R = Recommended SR = Sector Related

Level Two Catering

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Purpose – To develop skills in cooking and presentation of food as well as nutrition and food safety.

Pathway – This course can lead to [Level Three Catering](#).

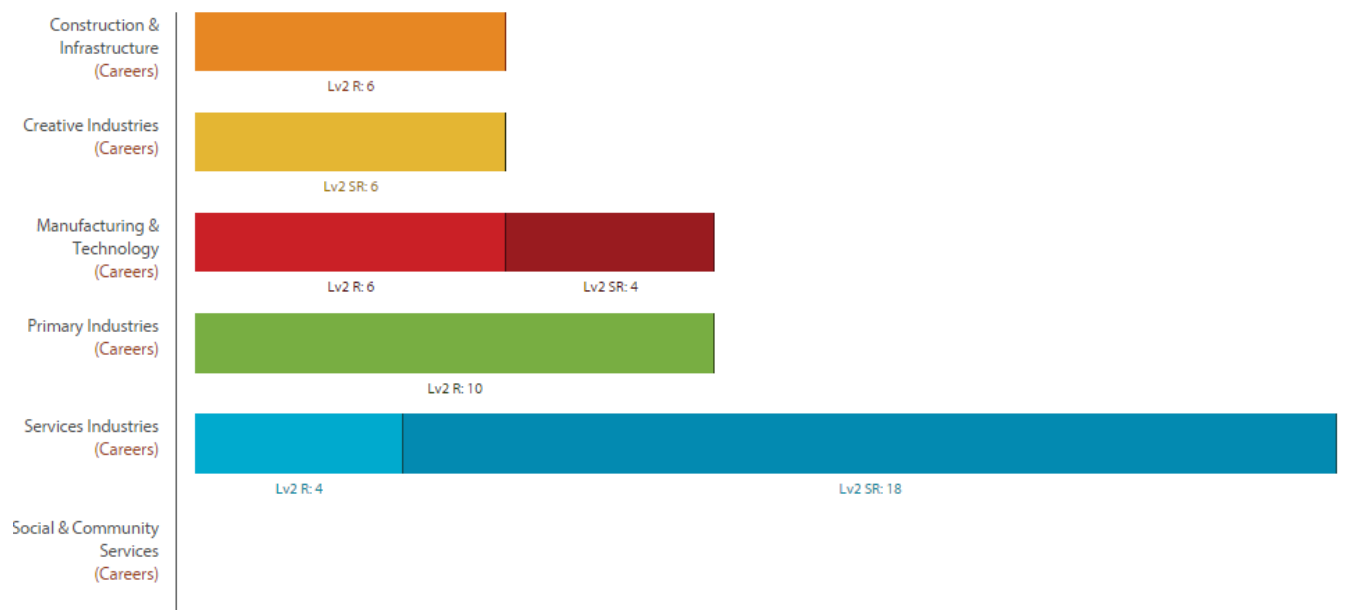
Recommended Entry – [Level One Home Economics](#) is useful but not essential.

Course Outline – This course is a combination of Home Economics and Technology Achievement Standards and Service IQ Industry Unit Standards. The Service IQ standards include food safety, knife skills, baking and coffee appreciation. Not all students will do all standards – there is flexibility in this course so that students are able to do the standards that are most suited to their individual needs. Level Two Catering students are expected to help with catering for school functions and they may have the opportunity to run a café.

Course Fees – \$65.

Assessment Information – 28 Credits (0 External) -

- 167 : Practise food safety methods in a food business, Level 2, 4 credits ●
- 13276 : Cook food items by grilling, Level 2, 2 credits ●
- 13283 : Prepare and present salads for service, Level 2, 2 credits ●
- 13285 : Handle and maintain knives in a commercial kitchen, Level 2, 2 credits ●
- 17285 : Demonstrate knowledge of commercial espresso coffee equipment and prepare espresso beverages under supervision, Level 2, 4 credits ●
- 17286 : Prepare and present pressed coffee for service, Level 2, 2 credits ●
- 17287 : Prepare and present filtered coffee for service, Level 2, 2 credits ●
- 91351 : Implement advanced procedures to process a specified product, Level 2, 4 credits ●●●●
- 91356 : Develop a conceptual design for an outcome, Level 2, 6 credits ●●●●●●



Vocational Credits: 28 | Other Credits: 0 | Total: 28
 R = Recommended SR = Sector Related

Level Two & Three Childcare

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Purpose – Over a two year period students at Waihi College will be offered the chance to complete a ‘National Certificate in Early Childhood Care and Education’ (Level Three). This is done in conjunction with [Gateway](#).

Pathway – This course leads to entry level certificates and diplomas such as [Waikato University](#) or [Wintec](#) or [BOP Polytechnic](#).

Recommended Entry – Entry is open to any student with an interest in working with young people

Course Outline – There is a component of 80 hours of time spent in childcare centres in the area – this is to build up the skills needed to gain the standards (a further 13 Level Three credits). This is not compulsory but highly recommended.

Course Fees – No fee.

Assessment Information – 35 Credits (0 External) -

- 10019: Child Safety, (Internal 4 credits), Level Three
- 10020: Keep clean and safe, (Internal 2 credits), Level Two
- 10024: Promoting good health, (Internal 2 credits), Level Two
- 26712: Nutrition, (Internal 4 credits), Level Two
- 26708: Communication, (Internal 5 credits), Level Three
- 26709: Observation of a child, (Internal 3 credits), Level Three - *Gateway Credits*.
- 20407: Cultural diversity, (Internal 4 credits), Level Three
- 27145: Learning plans, (Internal 4 credits), Level Three - *Gateway Credits*.
- 26707: Play, (Internal 6 credits), Level Three - *Gateway Credits*.



Note not all these standards were on the [profile builder](#) website

Level Two Drama

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Purpose – To develop knowledge and skills in Drama. To establish academic and professional pathways.

Pathway – This course can lead to [Level Three Drama](#).

Recommended Entry – [Level One Drama](#) is recommended, but not essential. Important to have an established interest in drama, production and/or live performance.

Course Outline – The Level Two Drama programme offers some workshops in Dramatic technique, script work, and devising. It provides students the opportunity to participate in significant productions and explores the links between classical and contemporary literature and contemporary physical theatre. Students will attend professional theatrical productions as a part of their coursework. The course continues the students' academic pathways towards tertiary study and introduces a formal academic element to the work. The Level Two Drama course continues to build upon the students first hand experiences of Drama related professions and enables students to form professional relationships with potential employers. Students will be encouraged to extend their ideas towards developing their own business endeavours.

Course Fees – \$20 and \$48 Field Trip

Assessment Information – 26 Credits of which 4 are externally assessed (note all standards offered in Level One Drama contribute to the Literacy component of NCEA level one). Additional performing arts technology units in areas such as lighting, construction and set design can be made available for students who signal their interest.

91213 : Apply drama techniques in a scripted context, Level 2, 4 credits (UE Reading)

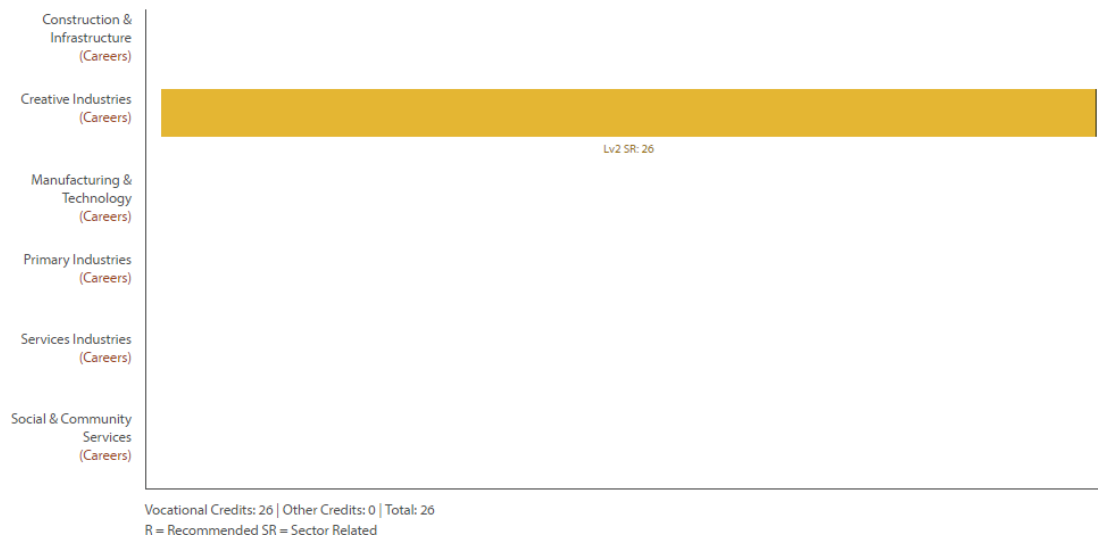
91214 : Devise and perform a drama to realise an intention, Level 2, 5 credits

91218 : Perform a substantial acting role in a scripted production, Level 2, 5 credits (UE Reading)

91216 : Perform features of a complex drama or theatre form or period, Level 2, 4 credits

91217 : Examine the work of a playwright, Level 2, 4 credits (UE Reading)

91219 : Discuss drama elements, techniques, conventions and technologies within live performance, Level 2, 4 credits (UE Writing)



Level Two English

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Purpose – English is the study, use, and enjoyment of the English language communicated orally, visually, and in writing, for a range of purposes and audiences and in a variety of text forms. Credits gained can contribute to a range of career pathways including, polytechnic course entrance requirements, and a range of vocational pathways.









Pathway – This course includes University Entrance Literacy Standards and leads to [Level Three English](#)

Recommended Entry – Preferably, students who take this course will have a minimum of 15 Level 1 English credits (this includes credits gained from an external).

Course Outline – Understanding, using, and creating oral, written and visual texts of increasing complexity is at the heart of English teaching and learning. Students will become increasing skilled and sophisticated speakers and listeners, writers and readers, presenters and viewers.

Course Fees – workbook (approximately \$22)

Assessment Information – 21 Credits (8 External), In order to provide personalised learning, students are encouraged to select from this list of available standards:

- 91099 : Analyse spec aspects of visual/oral texts, supported by evidence, L2, 4crds  (UE Writing)
- 91100 : Analyse sig. unfamiliar written texts through close reading, L2, 4 crds  (UE Reading and Writing)
- 91101 : Produce a selection of crafted and controlled writing, Level 2, 6 credits  (UE Writing)
- 91102 : Construct and deliver a crafted and controlled oral text, Level 2, 3 credits 
- 91103 : Create a crafted and controlled visual and verbal text, Level 2, 3 credits 
- 91104 : Analyse significant connections across texts, supported by evidence, L2, 4crds 
- 91105 : Use information literacy skills to form developed conclusion(s), L2, 4crds  (UE Reading)
- 91107 : Analyse visual/oral texts through close viewing/listening, supported by evidence, L2, 3crds 



Vocational Credits: 21 | Other Credits: 0 | Total: 21
R = Recommended SR = Sector Related

Level Two English via History

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Purpose – English is the study, use, and enjoyment of the English language communicated orally, visually, and in writing, for a range of purposes and audiences and in a variety of text forms. History is the study of past – particularly people and events.






Pathway – This course includes University Entrance Literacy Standards and is intended to be the final year of English and History for able academic students (students wanting to do Level Three English should opt for [Level Two English](#) or [Level Two History](#)).

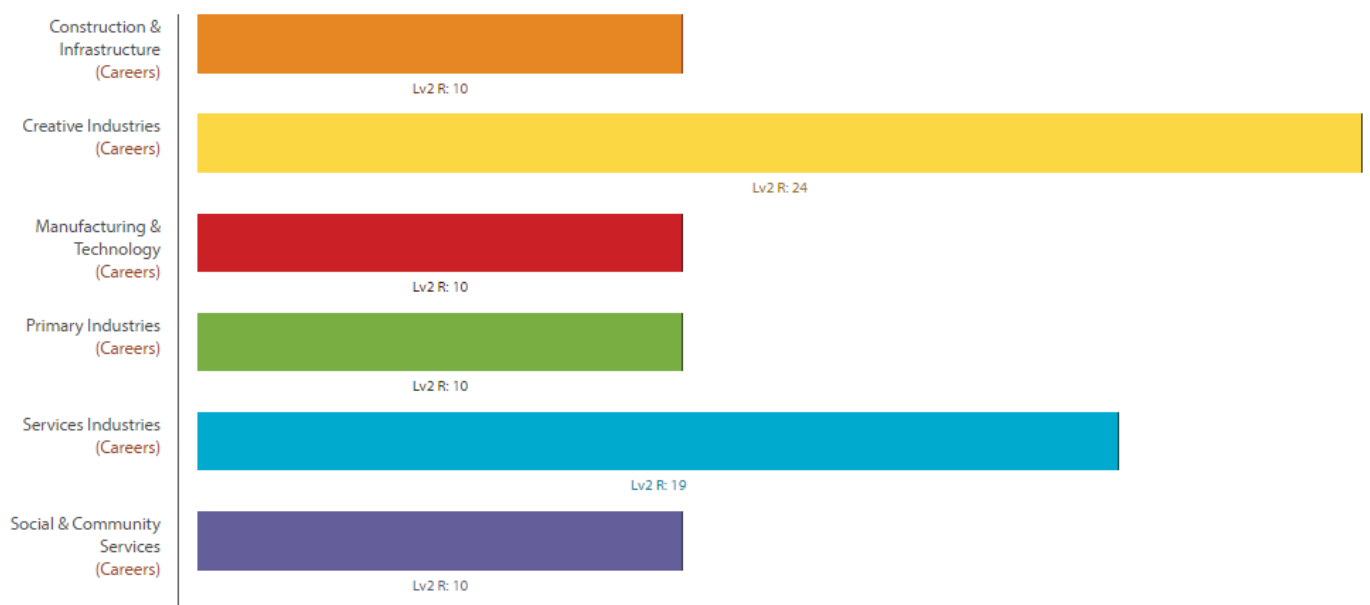
Recommended Entry – Evidence of passing grades in [Level One English](#) .

Course Outline – This course is designed for students who may not easily achieve UE literacy across their other subjects. Students will work with their teacher to identify an historical topic of genuine interest to them. Each student will research their topic in depth before attempting number of assessment tasks directly linked to the findings of their inquiry.

Course Fees – There are no course fees.

Assessment Information – possible 24 Credits (0 External) -

- 91101 : Produce a selection of crafted and controlled writing, Level 2, 6 credits  (UE Writing)
- 91105 : Use info literacy skills to form developed conclusion(s), Level 2, 4 credits  (UE Reading)
- 91229 : Inquiry of an historical event or place that is of significance to New Zealanders, L2, 4crds  (UE Reading)
- 91230 : Examine an historical event or place that is of significance to NZers, Level 2, 5 credits  (UE Reading)
- 91232 : Perspectives of people in an historical event that is of significance to NZrs, Level 2, 5 credits  (UE Reading)



Vocational Credits: 24 | Other Credits: 0 | Total: 24
R = Recommended SR = Sector Related

Level Two Geography

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Purpose – Geography gives students a multidisciplinary or holistic view of the world, combining knowledge, skills, and understandings of the physical and social sciences. It fosters a curiosity about place and space, and provokes questions about natural and cultural environments and their interconnectedness. Geography provides opportunities through fieldwork for first-hand investigations of places, environments, and human activities. It helps students make sense of complex issues such as climate change, ageing populations, urban growth, land conflicts, globalisation, and sustainability.

















Pathway – This course can lead to [Level Three Geography](#).

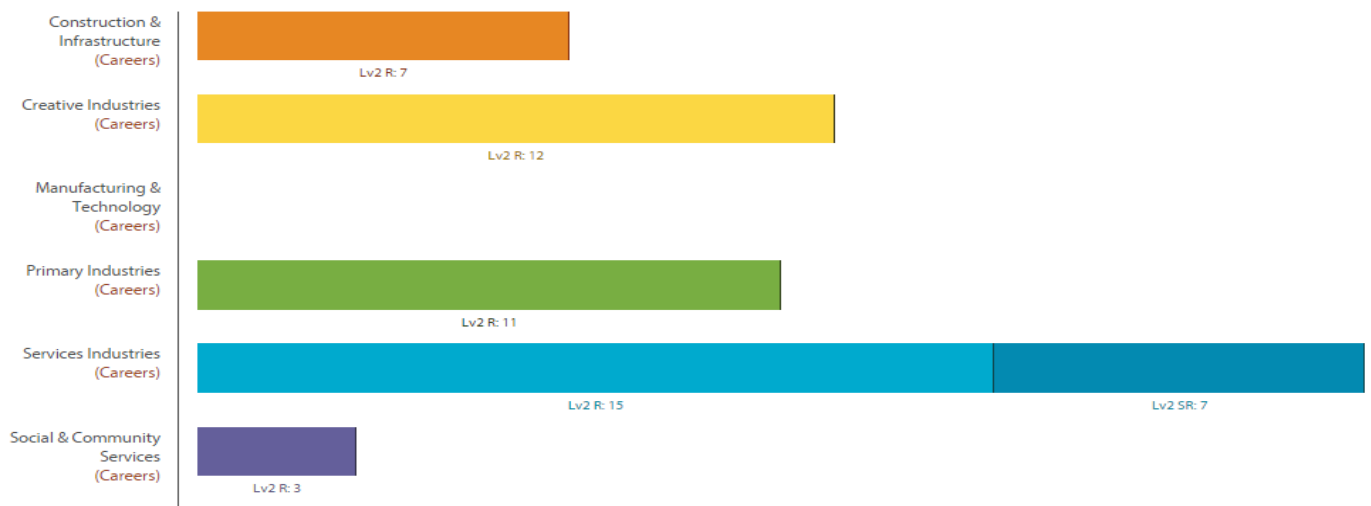
Recommended Entry – [Level One Geography](#).

Course Outline – The Level Two academic course has two broad themes. One is physical inter-relationship, using a case study of the South Island high country. Issues like deforestation and Pest Control are also examined. The second theme is about urban settlements and patterns around the world with case studies of various cities, and in particular Dubai. At the same time skills to do with using maps and a variety of other information sources are followed up and these are applied to research work. Other contexts include; the current New Zealand geographic issue of 1080 poison, and a global issue of desertification.

Course Fees – Fees for a field trip to the South Island \$620.

Assessment Information – 22 Credits (8 External) -

- 91189 : Investigate geological processes in a New Zealand locality, Level 2, 4 credits 
- 91240 : Demonstrate geographic understanding of a large natural environment, L2, 4crds   (UE Reading and Writing)
- 91241 : Demonstrate geographic understanding of an urban pattern, Level 2, 3 credits  
- 91243 : Apply geography concepts and skills to demonstrate understanding of environment, L2, 4 crds    
- 91244 : Conduct geographic research with guidance, Level 2, 5 credits  
- 91245 : Explain aspects of a contemporary New Zealand geographic issue, Level 2, 3 credits   
- 91246 : Explain aspects of a geographic topic at a global scale, Level 2, 3 credits  



Vocational Credits: 22 | Other Credits: 0 | Total: 22
 R = Recommended SR = Sector Related

Level Two Horticulture

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Purpose – To develop knowledge and skills in Horticulture.

Pathway – This course can lead to [Level Three Agriculture](#) or [Level Three Horticulture](#)

Recommended Entry – Level One Horticulture would help but is not essential. Students do need to get their hands dirty and be enthusiastic.

Course Outline – Level Two Horticulture involves learning more about how plants grow and function, and factors that affect plant growth. The practical work involves producing new plants using a number of propagation techniques. This means learning ways to produce new plants from existing plants without growing them from seed as well as budding, grafting, layering and tissue culture. Care and maintenance of the new plants is also part of the course. We shall also be learning about the environmental impact of horticultural operations.

Course Fees – No fees.

Assessment Information – 21 Credits (0 External) -

22183 : Plant out horticulture crops by hand, Level 2, 5 credits ●

23781 : Grow and pot up plants from stem cuttings, Level 2, 5 credits ●

27707 : Demonstrate knowledge of plant propagation by budding, grafting, layering and tissue culture, Level 2, 5 crds ●

27708 : Demonstrate knowledge of sexual and asexual plant propagation, Level 2, 6 credits ●

Also available to students who have exhibited excellence in their log book (diary) in Level One. 2803 : Maintain a documented work record of horticultural activities, Level 2, 5 credits ●



Level Two Biology

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Purpose – To develop knowledge and skills in Biological Sciences.







Pathway – This course can lead to [Level Three Biology](#).

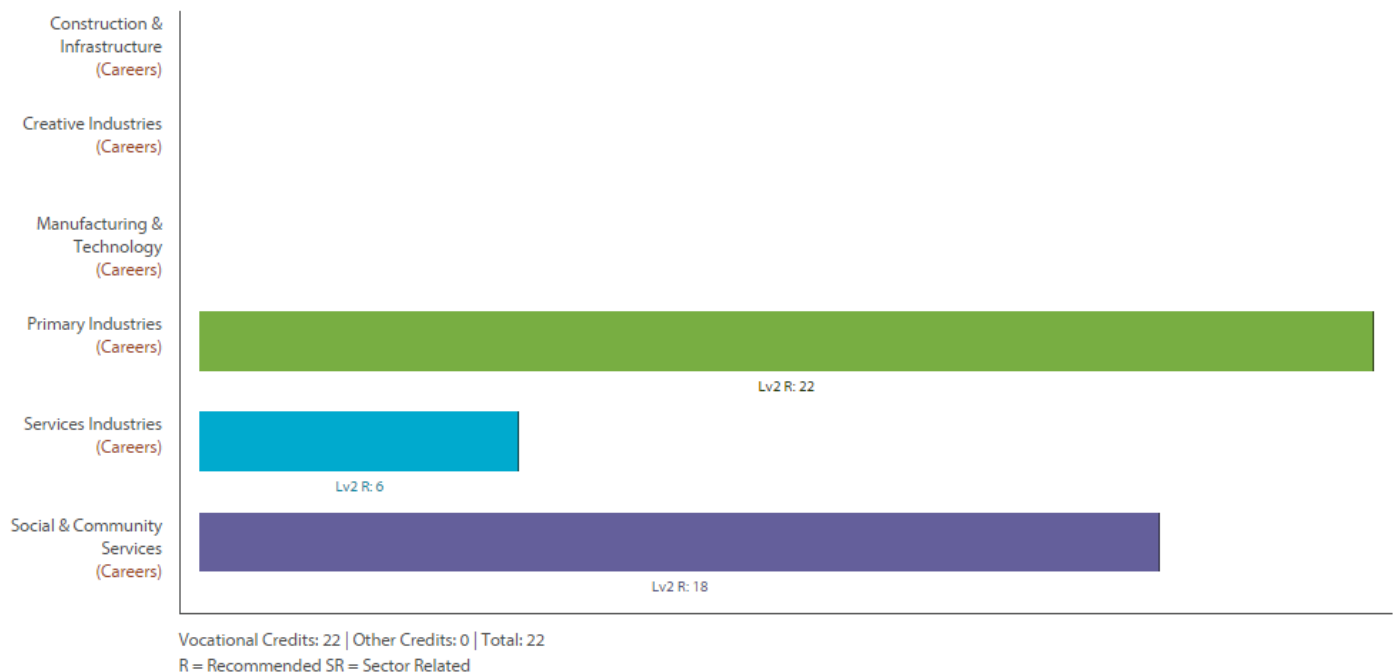
Recommended Entry – [Level One Science](#) – achieved in all the biology standards.

Course Outline – Biology is the study of life. This course covers: practical investigations, interactions of humans, evolution, patterns in populations/communities, cell structure/function and genetics. There is a three day field trip to Goat Island marine reserve, Tiritiri Matangi, Kelly Tarltons, and the Miranda Bird Sanctuary.

Course Fees – Fees for a field trip to Goat Island \$280 (approx.) plus workbook \$29.70.

Assessment Information – 22 Credits (12 External) -

- 91155 : Demonstrate understanding of adaptation of plants or animals to their way of life, Level 2, 3 credits 
- 91156 : Demonstrate understanding of life processes at the cellular level, Level 2, 4 credits 
- 91157 : Demonstrate understanding of genetic variation and change, Level 2, 4 credits 
- 91158 : Investigate a pattern in an ecological community, with supervision, Level 2, 4 credits 
- 91159 : Demonstrate understanding of gene expression, Level 2, 4 credits 
- 91160 : Investigate biological material at the microscopic level, Level 2, 3 credits 



Level Two Chemistry

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Purpose – To better understand the world around us at the molecular level. To more fully appreciate future challenges facing humankind – pollution, treatment of disease, climate change and the need for clean energy – and the opportunities presented by new technologies.

Pathway – This course can lead to [Level Three Chemistry](#).

Recommended Entry – [Level One Science](#) – achieved in the external Science standard.

Course Outline – This course provides students with a good grounding in the basics of Chemistry. Students will do practical standards to identify unknown salts and to measure the strengths of acids and bases. A third internal looks at redox reactions. Theory topics include organic chemistry, bonding and structures in chemicals, and chemical reactions. Students will also carry out a research assignment on recent chemical technology.

Course Fees – Fees for course notes \$10.

Assessment Information – 26 Credits (13 External – n.b. 1 of the 3 externals (91166) is optional)-

- 91161 : Carry out quantitative analysis, Level 2, 4 credits
- 91162 : Carry out procedures to identify ions present in solution, Level 2, 3 credits
- 91163 : Demonstrate understanding of the chemistry used in the development of a current technology, Level 2, 3 credits
- 91164 : Demonstrate understanding of bonding, structure, properties and energy changes, Level 2, 5 credits
- 91165 : Demonstrate understanding of the properties of selected organic compounds, Level 2, 4 credits
- 91166 : Demonstrate understanding of chemical reactivity, Level 2, 4 credits
- 91167 : Demonstrate understanding of oxidation-reduction, Level 2, 3 credits



Vocational Credits: 26 | Other Credits: 0 | Total: 26
R = Recommended SR = Sector Related

Level Two Graphics (DVC)

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Purpose – Graphics (aka Design and Visual Communication) develop knowledge and skills in designing Architecture and Products.

Pathway – This course can lead to [Level Three Graphics](#).

Recommended Entry – [Level One Graphics](#).

Course Outline – This course challenges students to think about the fundamentals of design and how this is used in developing products and architecture. Briefs or units of work are used to solve architectural or design problems. Design skills, drawings skills, computers and presentation skills are all used to help solve these problems. Students will learn to use sketching techniques, produce formal drawings using instruments, computer presentations and computer drawing programmes.

Course Fees – Students will need subject specific equipment and stationery.

Assessment Information – 21 Credits (6 External *these are assessed as a portfolio/evidence of work there will be no exam*) -

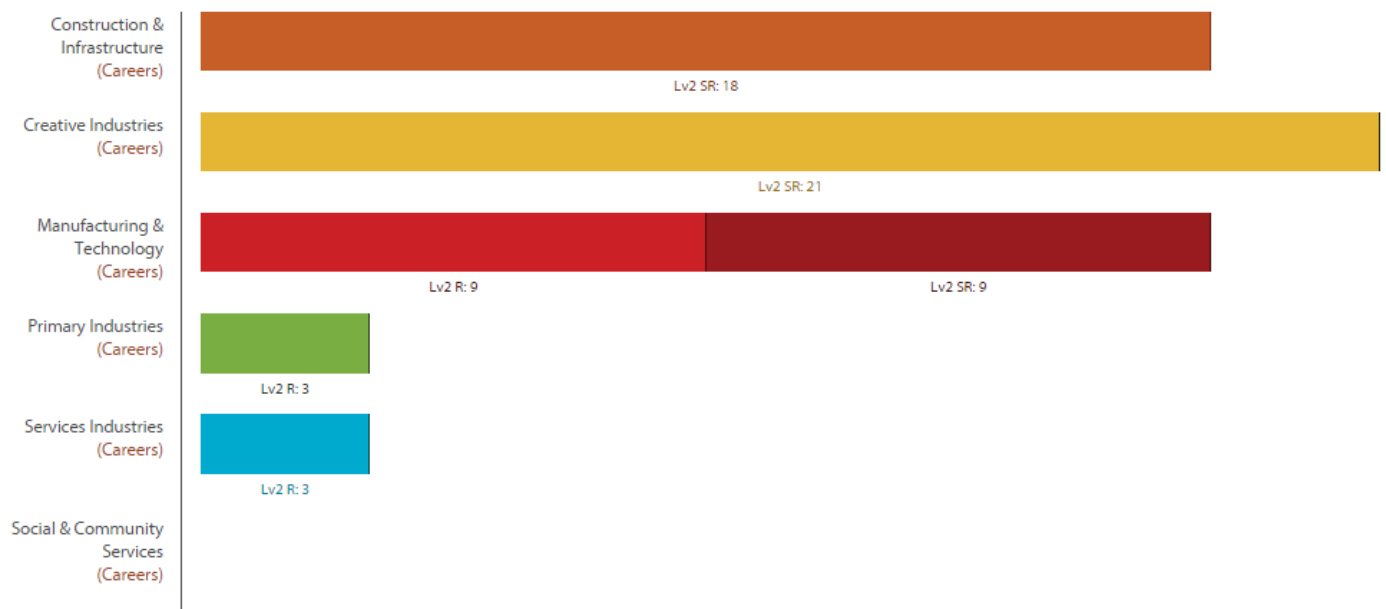
91337 : Use visual communication techniques to generate design ideas, Level 2, 3 credits 

91339 : Produce instrumental perspective projection drawings to communicate design ideas, Level 2, 3 credits 

91340 : Use the characteristics of a design movement or era to inform own design ideas, Level 2, 3 credits 

91341 : Develop a spatial design through graphics practice, Level 2, 6 credits 

91342 : Develop a product design through graphics practice, Level 2, 6 credits 



Vocational Credits: 21 | Other Credits: 0 | Total: 21
R = Recommended SR = Sector Related

Level Two Art Painting

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Purpose – To develop knowledge and skills in the field of Painting.


Pathway – This course can lead to [Level Three Art Painting](#) and/or [Level Three Art Photography](#).

Recommended Entry – [Level One Art Painting](#) or [Level One Art Photography](#).

Course Outline – This course challenges the student to develop art works and express ideas in a range of painting media and styles through the study of a number of artists' working methods and ideas. Students expand their repertoire of drawing and painting skills, applying what they have learnt from practical studies of artist models. These skills are then applied in mixed media artworks which communicate ideas in an extended series of interrelated art works. The year's work culminates in the two panel folio of work, the external assessment.


Course Fees – Materials and equipment fees of \$40.

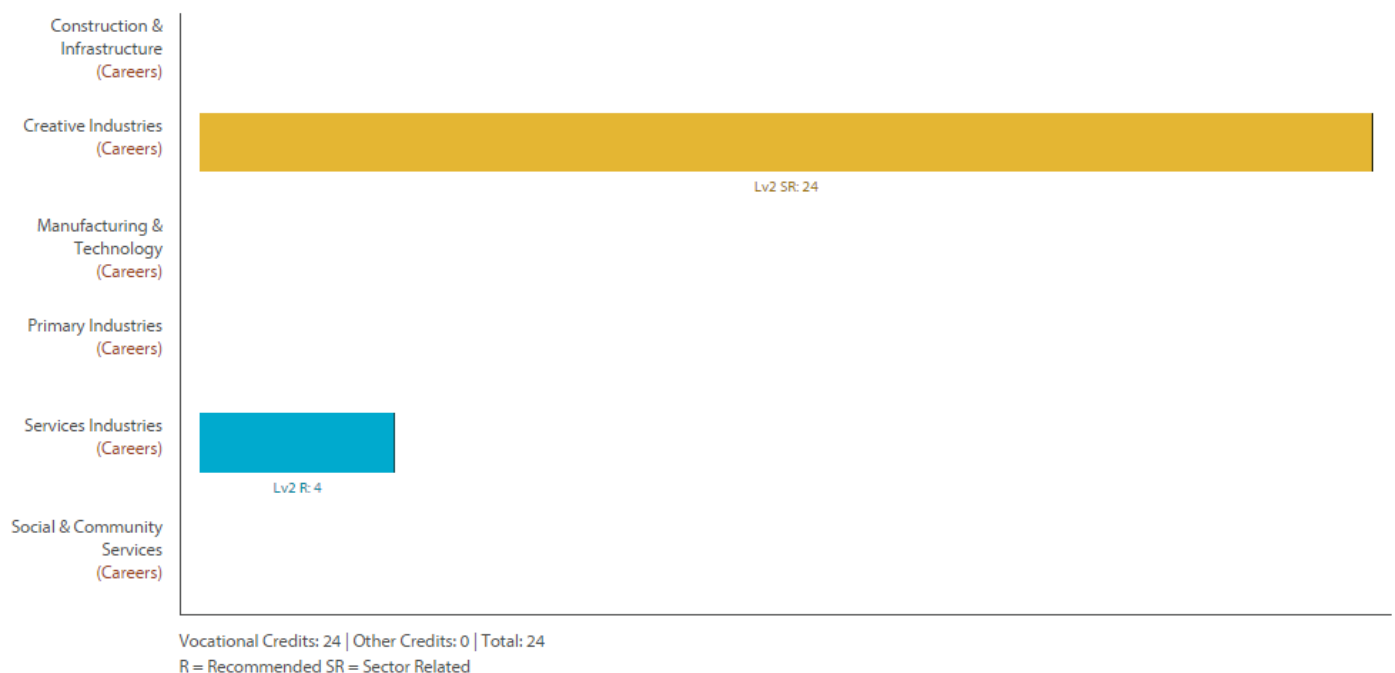
Assessment Information – 24 Credits (12 External *these are assessed as a portfolio/evidence of work there will be no exam*) -

91306 : Demonstrate an understanding of methods and ideas from established practice appropriate to painting., Level 2, 4 credits  

91311 : Use drawing methods to apply knowledge of conventions appropriate to painting., Level 2, 4 credits 

91316 : Develop ideas in a related series of drawings appropriate to established painting practice., Level 2, 4 credits 

91321 : Produce a systematic body of work that shows understanding of art making conventions and ideas within painting., Level 2, 12 credits 



Level Two Health Education

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Purpose – To develop knowledge of key Health components.

Pathway – This course can lead to [Level Three Health Education](#).

Recommended Entry – [Level One Health Education](#).

Course Outline – This course will offer you the opportunity to experience and participate in a wide range of activities in a variety of contexts. The main focus of this course is to equip you with the foundation knowledge of health if you wish to pursue this area in the future as well as improving a variety of interpersonal skills which will be useful in any context.

Course Fees – There are no course fees.

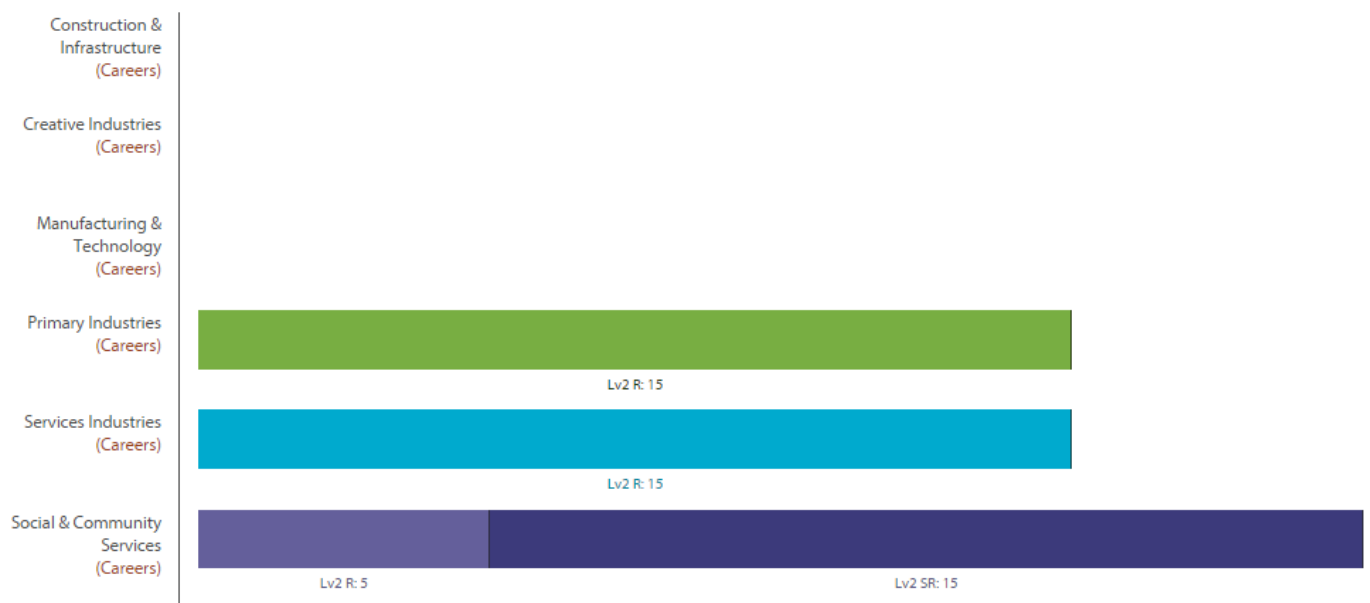
Assessment Information – 20 Credits (5 External) -

91235 : Analyse an adolescent health issue, Level 2, 5 credits ▲▲▲

91236 : Evaluate factors that influence people's ability to manage change, Level 2, 5 credits ▲▲●

91237 : Take action to enhance an aspect of people's well-being within the school or wider community, Level 2, 5 credits ▲●

91239 : Analyse issues related to sexuality and gender to develop strategies for addressing the issues, Level 2, 5 credits ●▲



Vocational Credits: 20 | Other Credits: 0 | Total: 20

R = Recommended SR = Sector Related

Level Two History

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Purpose – To develop knowledge and skills in History.

Pathway – This course can lead to [Level Three History](#).

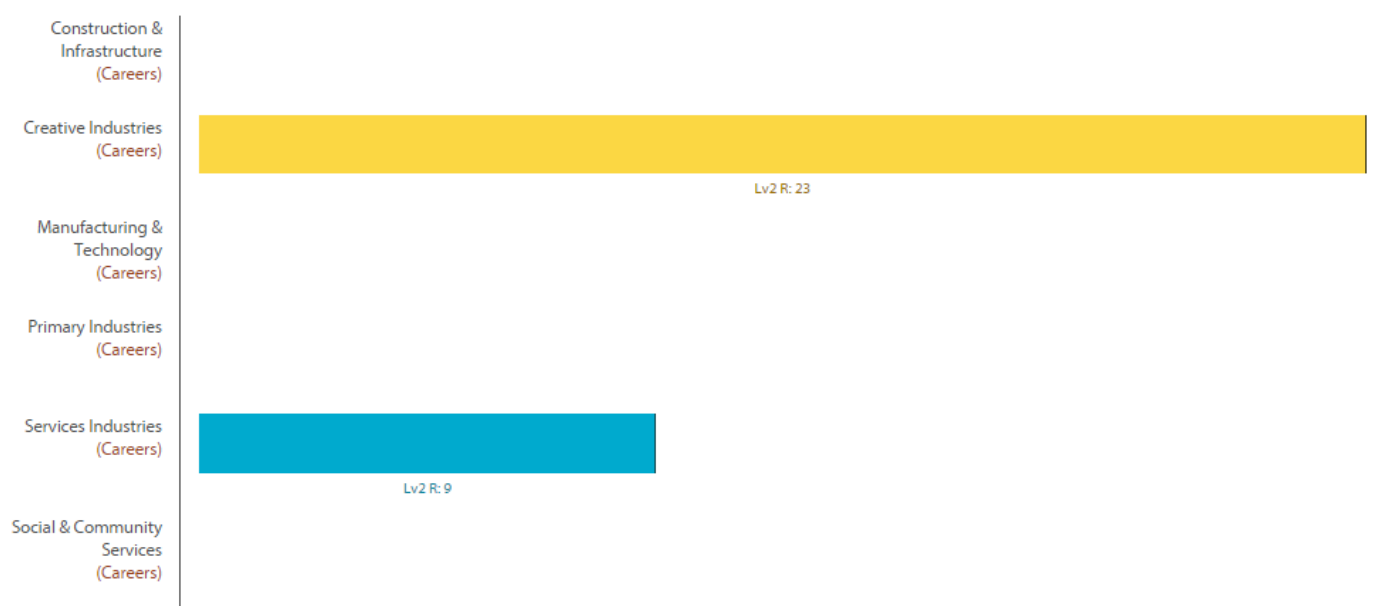
Recommended Entry – [Level One History](#) or [Level One English](#)

Course Outline – If you’ve ever wondered what shaped our world to date then History can help satisfy that curiosity! We’ll begin by comparing the New Zealand Wars with the Plains Wars in the USA – but after that the topics are up to the class! We’ll agree on two more historical topics to focus on - these could include the origins of World War I, Nazi Germany, The Pacific War (1937 – 49) and the Cold War in the Pacific (including Vietnam). You’ll conduct a major inquiry on a sub-topic of your choice and get the chance to tackle the remaining two internals in creative formats that could be a web page, TV broadcast, secret agent report or a time capsule. You must be prepared to read real library books and study historical footage and documentaries.

Course Fees – There are no course fees.

Assessment Information – 23 Credits (9 External) -

- 91229 : Inquiry of an historical event or place that is of significance to NZers, Level 2, 4cds ▲▲ (UE Reading)
- 91230 : Examine an historical event or place that is of significance to NZers, Level 2, 5 credits ▲▲ (UE Reading)
- 91231 : Sources of an historical event that is of significance to NZers, Level 2, 4 credits ▲ (UE Reading & Writing)
- 91232 : Perspectives of people in an historical event that is of significance to New Zer’s, L2, 5 credits ▲ (UE Reading)
- 91233 : Examine causes and consequences of a significant historical event, Level 2, 5 credits ▲ (UE Reading & Writing)



Vocational Credits: 23 | Other Credits: 0 | Total: 23
R = Recommended SR = Sector Related

Level Two Te Reo Maori

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Purpose – To provide students with basic reading, writing and speaking skills in Te Reo.





Pathway – This course can lead to Level Three Te Reo.

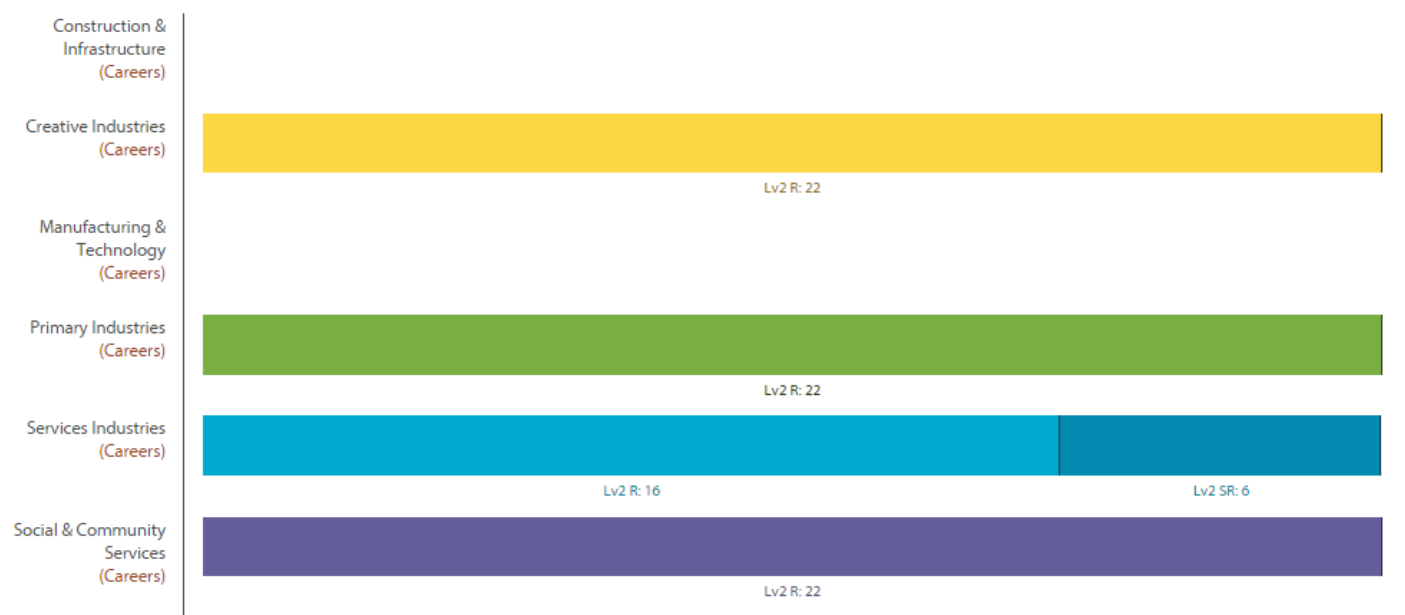
Recommended Entry – [Level One Te Reo Maori](#)

Course Outline – This Level Two academic course continues and includes the study of Te Re Maori me Tikanaga.

Course Fees – There are no course fees.

Assessment Information – 22 Credits (12 External) -

- 91284 : Whakarongo kia mohio ki te reo o te ao torotoro, Level 2, 4 credits 
- 91285 : Korero kia whakamahi i te reo o te ao torotoro, Level 2, 6 credits 
- 91286 : Panui kia mohio ki te reo o te ao torotoro, Level 2, 6 credits 
- 91287 : Tuhi i te reo o te ao torotoro, Level 2, 6 credits 



Vocational Credits: 22 | Other Credits: 0 | Total: 22
R = Recommended SR = Sector Related

Level Two Mathematics

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Purpose – To develop knowledge and skills of Mathematical Techniques.









Pathway – This course can lead to [Level Three Statistics \(and possibly L3 Mathematics\)](#).

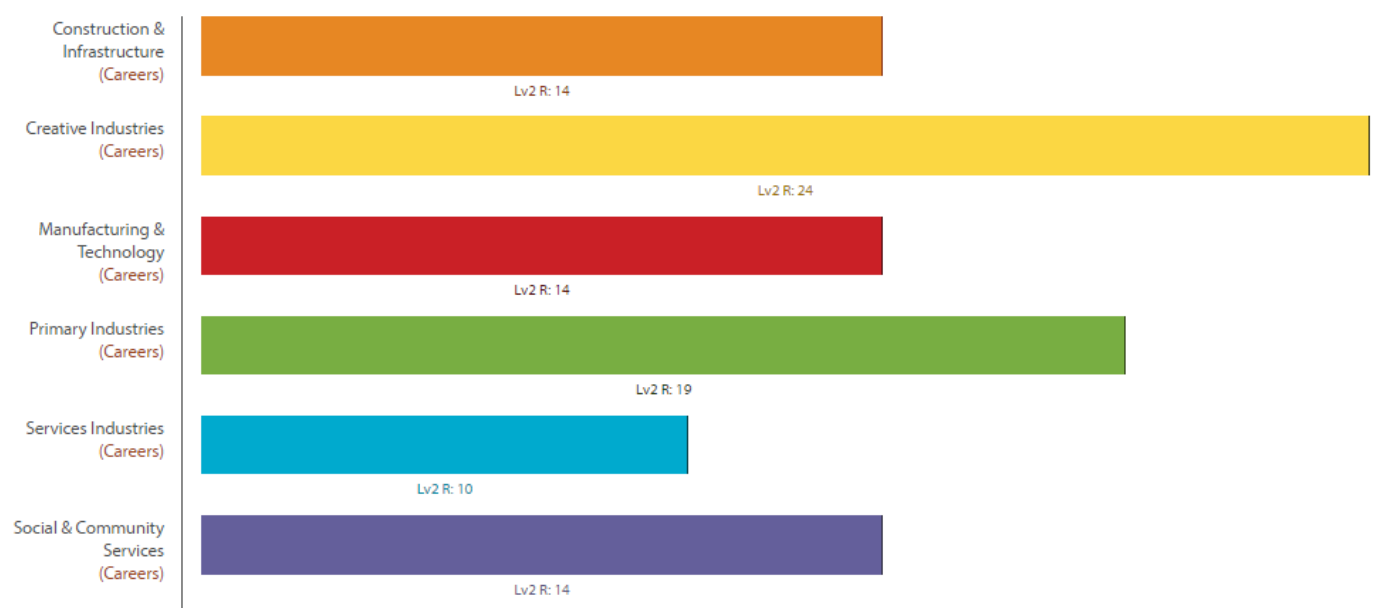
Recommended Entry – Numeracy obtained through Achievement Standards.

Course Outline – This course is designed for students who have done well at Level One and wish to continue studying Mathematics at Level Two. This course will provide an opportunity for students who wish to study Level Three Statistics and possible L3 Mathematics. Topics taught include statistics, trigonometry, probability simulations, sequences, probability and simultaneous equations. There is also a possibility of completing an additional external assessment on calculus.

Course Fees – \$5 for one course booklet and \$10 to \$15 for revision booklets and a scientific calculator (graphical is preferred).

Assessment Information – 21 Credits (4/8 External) -

91258 : Apply sequences and series in solving problems, Level 2, 2 credits	
91259 : Apply trigonometric relationships in solving problems, Level 2, 3 credits	
91260 : Apply network methods in solving problems, Level 2, 2 credits	
91262 : Apply calculus methods in solving problems, Level 2, 5 credits	
91264 : Use statistical methods to make an inference, Level 2, 4 credits	
91267 : Apply probability methods in solving problems, Level 2, 4 credits	
91268 : Investigate a situation involving elements of chance using a simulation, Level 2, 2 credits	
91269 : Apply systems of equations in solving problems, Level 2, 2 credits	



Vocational Credits: 24 | Other Credits: 0 | Total: 24
 R = Recommended SR = Sector Related

Level Two Media Design

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Purpose – To develop knowledge and skills with design programmes while learning the principles and elements of design to enable students to apply for Tertiary study.

Pathway – This course can lead to [Level Three Media Design](#).

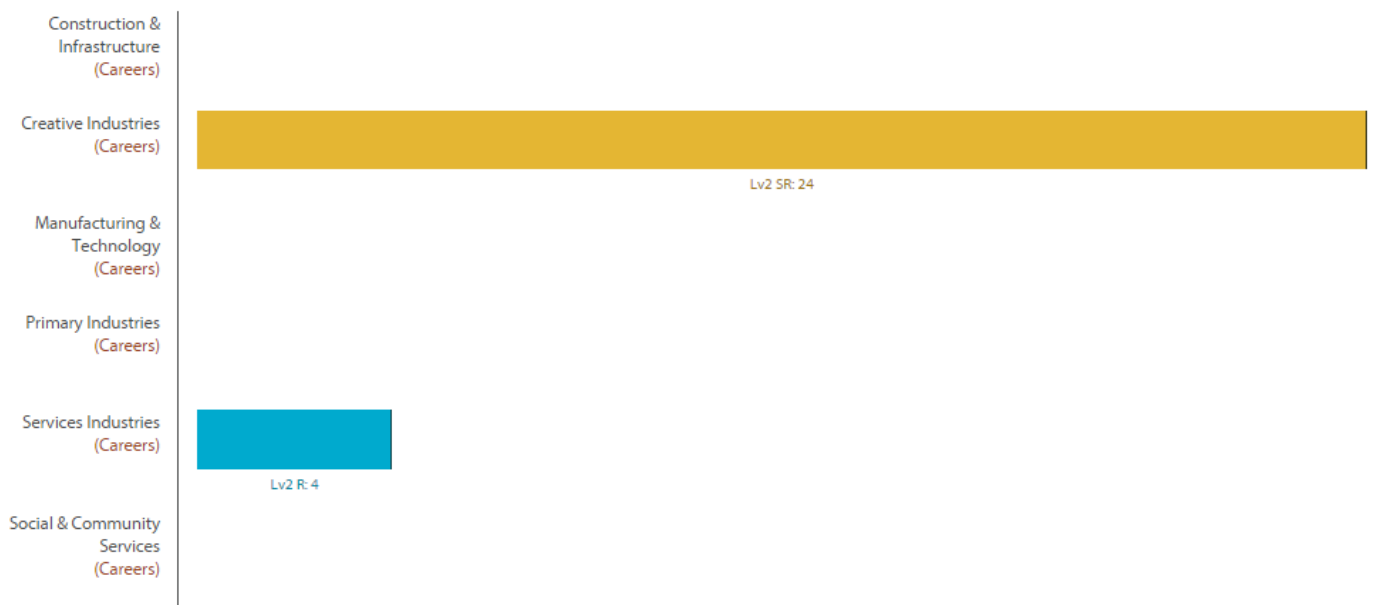
Recommended Entry – [Level One Media Design](#).

Course Outline – Students will be working closely with clients to develop a variety of outcomes. These may include print, website, animation or possible film. The students will have a chance to develop skills in Dreamweaver, Illustrator, Photoshop, Lash, Sony Vegas and Microsoft products.

Course Fees – Usual fees and print credit.

Assessment Information – 24 Credits (12 External) -

- 91305 : Demonstrate an understanding of methods and ideas from established practice appropriate to design., Level 2, 4 credits ▲ ●
- 91310 : Use drawing methods to apply knowledge of conventions appropriate to design., Level 2, 4 credits ●
- 91315 : Develop ideas in a related series of drawings appropriate to established design practice., Level 2, 4 credits ●
- 91320 : Produce a systematic body of work that shows understanding of art making conventions and ideas within design., Level 2, 12 credits ●



Vocational Credits: 24 | Other Credits: 0 | Total: 24
R = Recommended SR = Sector Related

Level Two Music

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Purpose – To develop knowledge and skills in Music.

Pathway – This course can lead to [Level Three Music](#).

Recommended Entry – [Level One Music](#) (or through an interview with TIC of Music).

Course Outline – Level Two Music builds directly on the material covered in Level One and the course is almost the same but the required level of achievement is at a higher level. Students will perform, compose (using Sibelius software), Guitar Pro and research musical genre. Musical arranging is introduced at this level. Students will elect a variety of the available standards based on their level of interest and ability in different aspects of this course.

Course Fees – \$20.

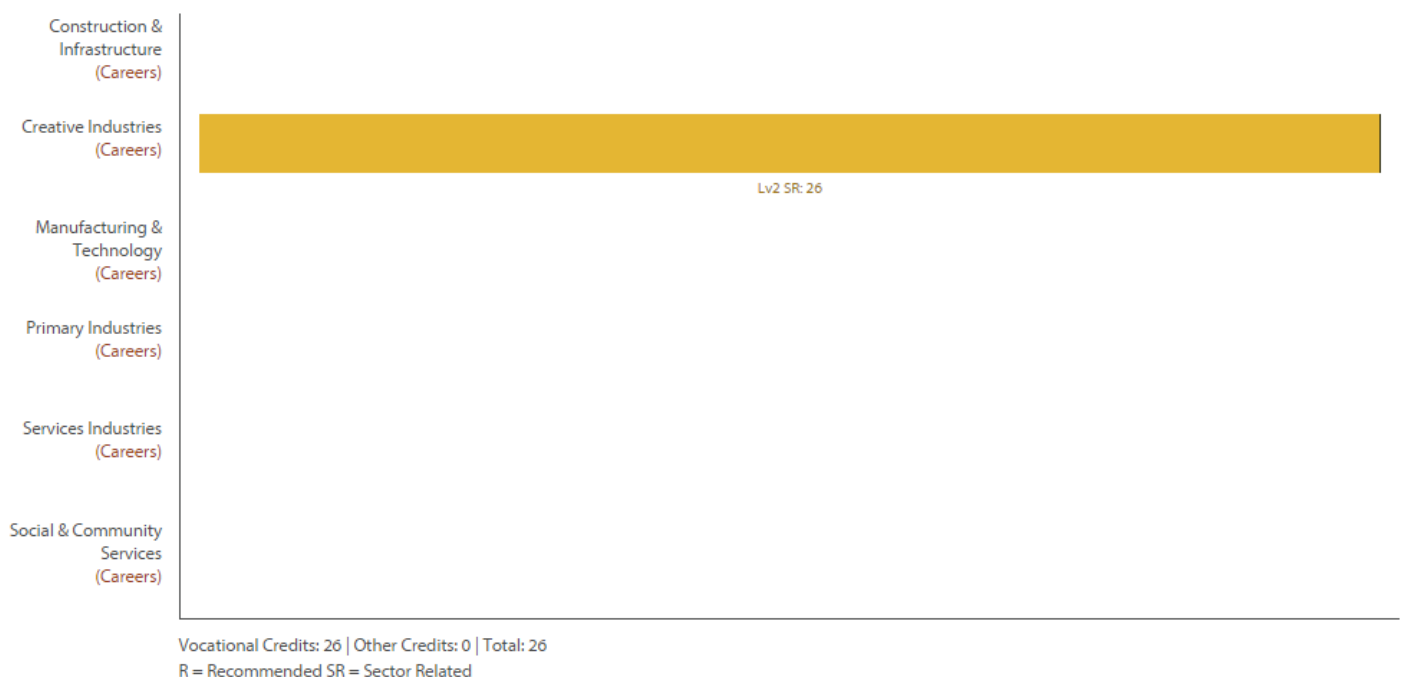
Assessment Information – Most students in L2 Music will do 22 Credits (0 External) -

91270 : Perform two substantial pieces of music as a featured soloist, Level 2, 6 credits

91271 : Compose two substantial pieces of music, Level 2, 6 credits

91272 : Demonstrate ensemble skills by performing a substantial piece of music as a member of a group, Level 2, 4 credits

91277 : Demonstrate understanding of two substantial contrasting music works, Level 2, 6 credits



There is the option to pick up extra credits in the following...

91273 : Devise an instrumentation for an ensemble, Level 2, 4 credits

91274 : Perform a substantial piece of music as a featured soloist on a second instrument, Level 2, 3 credits

91276 : Demonstrate knowledge of conventions in a range of music scores, Level 2, 4 credits

Level 2 Outdoor Education

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Purpose – To develop knowledge, skills and experience in a range of outdoor pursuits.

Pathway – This Level 2 course provides experience and expertise leading to increased competence and confidence in a wide range of outdoor activities. It provides 20 Level 2 credits and 5 Level 3 credits which come an Outdoor First Aid Certificate. This course leads to [Level 3 Outdoor Education](#).

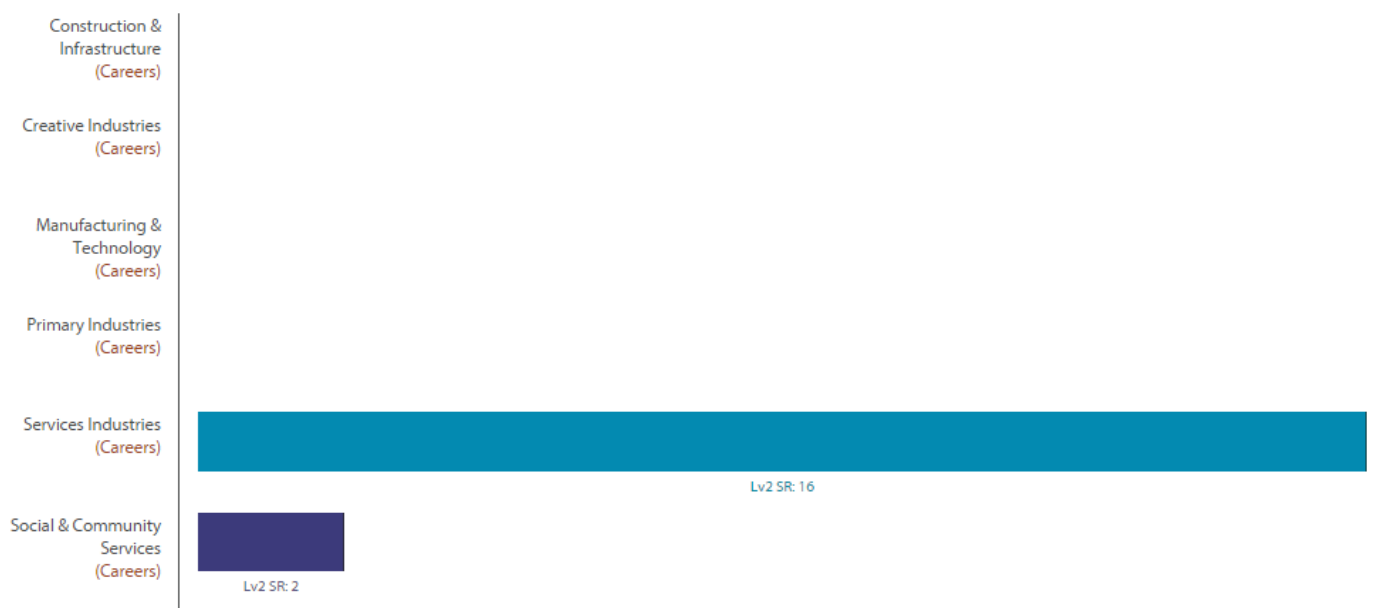
Recommended Entry – [Level 1 Outdoor Education](#)

Course Outline – Extending on from the Level 1 course, this course aims to increase student’s skills and confidence in a broader range of activities and extending beyond our local environment. The course is based on specific unit standards aimed at teaching students both the practice and theory required for each discipline. As well as specific skills in the outdoors, students will increase their understanding in leadership in the outdoors, risk management and hazard identification.

Course Fees – \$600.00 (plus optional \$550 for a PADI dive course)

Assessment Information – This course uses both achievement standards and unit standard at both level 2 and 3. (Level 2, 16 credits; Level 3, 5 credits)

- 431 : Navigate in good visibility on land, Level 2, 3 credits ●
- 424 1st Aid in remote location, Level 3, 5 credits
- 444 : Demonstrate basic rock climbing movement, Level 2, 1 credits ●
- 457 : Mountain bike on intermediate to expert terrain, Level 2, 2 credits ●
- 476 : Roll a kayak, Level 2, 2 credits ●
- 485 : Demonstrate rafting skills on sheltered or slow-moving water, Level 2, 3 credits ●
- 20157 : Demonstrate the use of basic rope systems for top rope rock climbing and abseiling, Level 2, 3 credits ●
- 20159 : Gather and apply weather information to an outdoor recreation activity, Level 2, 2 credits ●●



Vocational Credits: 16 | Other Credits: 0 | Total: 16
R = Recommended SR = Sector Related

n.b not all standards on this graph.

Level Two Art Photography

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Purpose – To develop knowledge and skills in the field of Photography.

Pathway – This course can lead to [Level Three Art Painting](#) and/or [Level Three Art Photography](#).

Recommended Entry – [Level One Art Painting](#) or [Level On Art Photography](#).

Course Outline – This course challenges the student to develop photographic art works and express ideas in a range of photographic styles through the study of a number of art photographers' working methods and ideas. Students expand their repertoire of photography skills, applying what they have learnt from practical studies of artist models. These skills are then applied in mixed media artworks which communicate ideas in an extended series of interrelated art works. The year's work culminates in the two panel folio of work, the external assessment.


Course Fees – \$30 (subject fee) materials and equipment fees of \$15 plus ongoing costs of print credit.

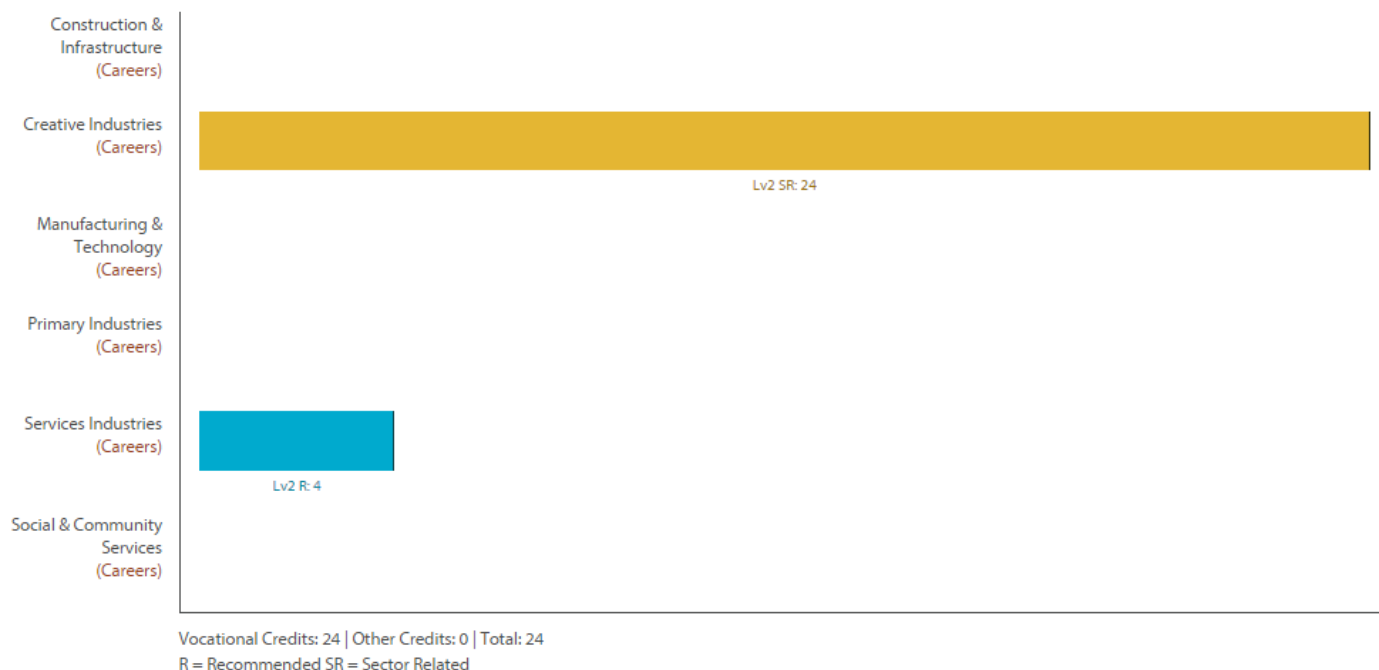
Assessment Information – 24 Credits (12 External *these are assessed as a portfolio/evidence of work there will be no exam*) -

91307 : Demonstrate an understanding of methods and ideas from established practice appropriate to photography., Level 2, 4 credits  

91312 : Use drawing methods to apply knowledge of conventions appropriate to photography., Level 2, 4 credits 

91317 : Develop ideas in a related series of drawings appropriate to established photography practice., Level 2, 4 credits 

91322 : Produce a systematic body of work that shows understanding of art making conventions and ideas within photography., Level 2, 12 credits 



Level Two Physical Education

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Purpose – To develop knowledge and skills in Physical Education.


Pathway – This course can lead to [Level Three Physical Education](#).

Recommended Entry – [Level One Physical Education](#) or [Level Sports Education](#) or [Level One Outdoor Education](#)

Course Outline – This course challenges the student to think about how the body responds to movement. Students will explore the local coastline in kayaks as well as volleyball, badminton and touch. Theory topics will include anatomy, exercise, physiology, skill learning and fitness studies. Students will also gain a certificate in first aid.

Course Fees – \$5 snorkelling/kayaking


Assessment Information – 19 Credits (0 External) -

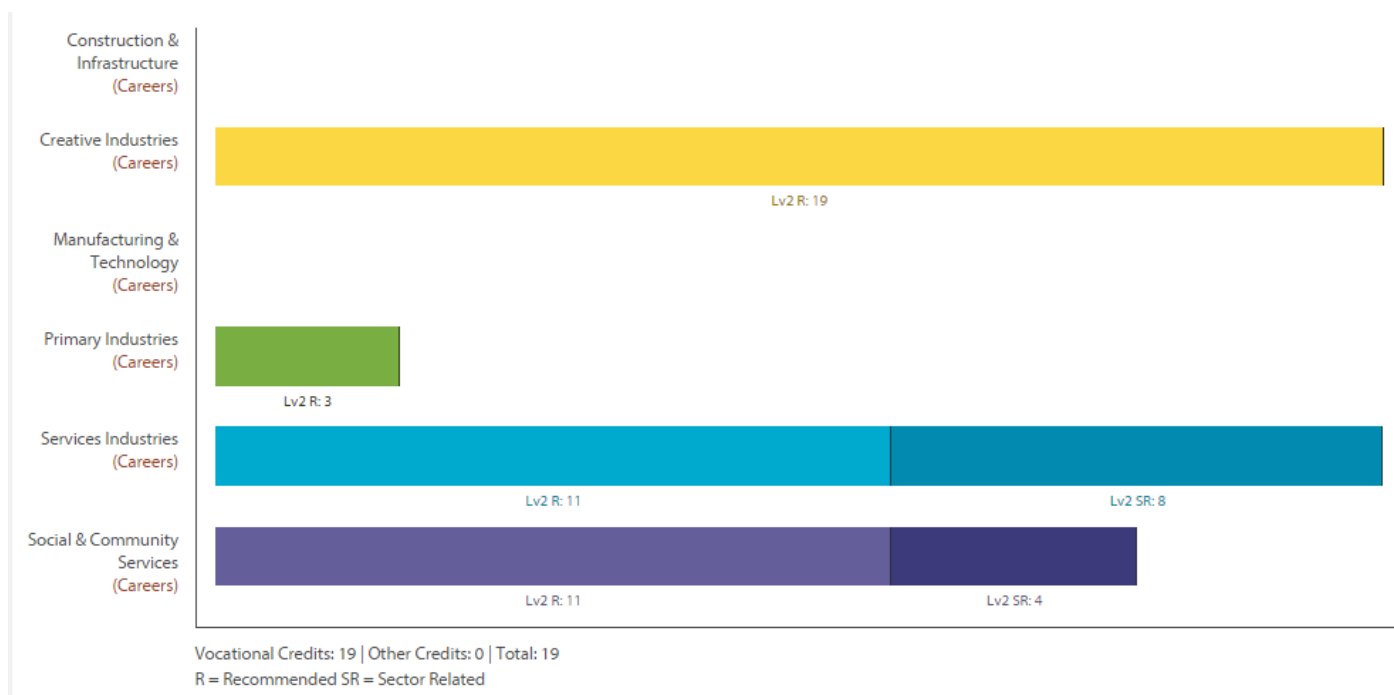
91328 : Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills, Level 2, 5 credits 

91330 : Perform a physical activity in an applied setting, Level 2, 4 credits 

91332 : Evaluate leadership strategies that contribute to the effective functioning of a group, Level 2, 4 credits 

91333 : Analyse the application of risk management strategies to a challenging outdoor activity, Level 2, 3 credits 

91334 : Consistently demonstrate social responsibility through applying a social responsibility model in physical activity, Level 2, 3 credits 



Level Two Product Design

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Purpose – To design and manufacture a product in response to a design based problem.

Pathway – This course can lead to [Level Three Technology \(Product\)](#) or [Level Three Building and Construction](#).

Recommended Entry – [Level One Product Design](#) with completed Level One External.

Course Outline – This course not only requires students to manufacture a specified product but to develop that product to meet the specified needs of the intended user.

Course Fees – \$55 and print credit.

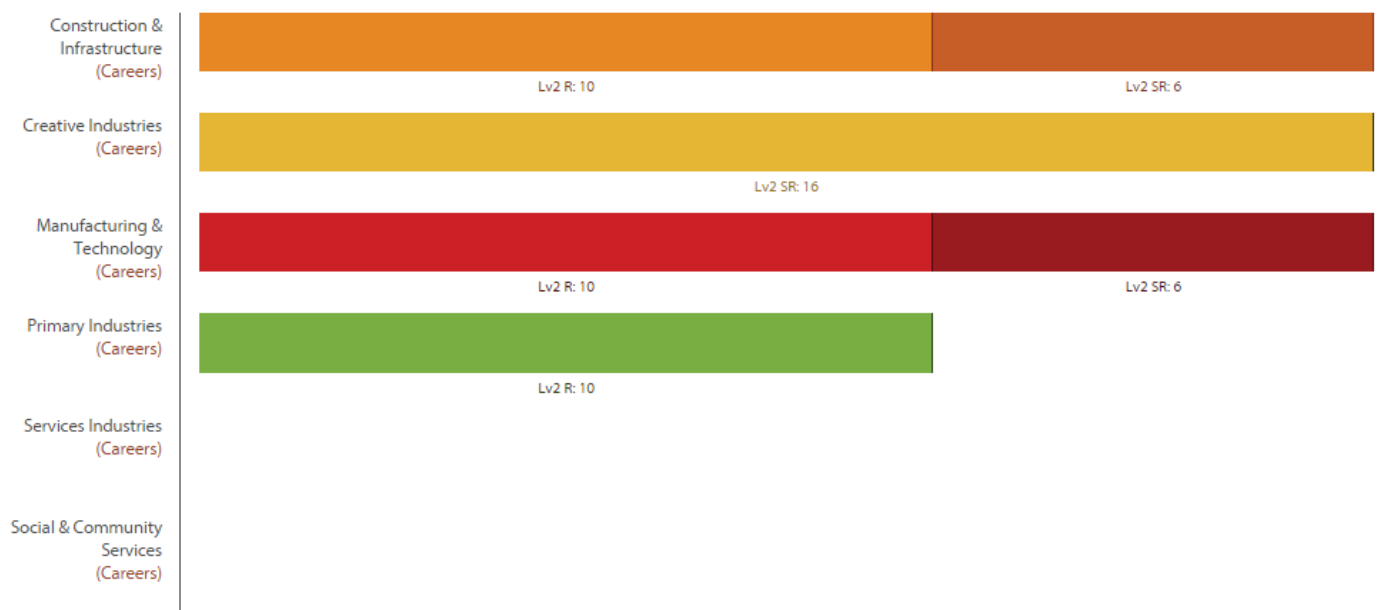
Assessment Information – 20 Credits (4 External) –

91344 : Implement advanced procedures using resistant materials to make a specified product with special features, Level 2, 6 credits

91354: Undertake brief development to address an issue, (Internal 4 credits), Generic Technology 2.1

91356 : Develop a conceptual design for an outcome, Level 2, 6 credits

91359 : Demonstrate understanding of the role of material evaluation in product development, Level 2, 4 credits



Vocational Credits: 16 | Other Credits: 0 | Total: 16
 R = Recommended SR = Sector Related

n.b. 91354 is not on the Vocational Pathway Builder

Level Two Physics

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Purpose – To further develop knowledge and understanding of Physical Science.

Pathway – This course can lead to [Level Three Physics](#).

Recommended Entry – [Level One Science](#) (specifically 1.1 Mechanics 90940 or 1.2 Algebra MCAT 91027).

Course Outline – Physics involves the study of matter and its motion through space and time, along with concepts such as energy and force in order to understand how the universe behaves. The Level Two course will continue with the basics of Mechanics and introduce Electromagnetism, Radioactivity and the behaviour of Waves and Light. Physics is used in a wide range of careers such as Architecture, Aviation, Broadcasting, Communications, Computing, Design, Engineering, Geology, Health Industry, Meteorology, Science, Surveying and Transport.

Course Fees – There is a class trip to Rainbow’s End theme park. Cost yet to be decided.

Assessment Information – 26 Credits (16 External) -

91168 : Carry out a practical physics investigation that leads to a non-linear mathematical relationship, Level 2, 4 credits



91169 : Demonstrate understanding of physics relevant to a selected context, Level 2, 3 credits



91170 : Demonstrate understanding of waves, Level 2, 4 credits



91171 : Demonstrate understanding of mechanics, Level 2, 6 credits



91172 : Demonstrate understanding of atomic and nuclear physics, Level 2, 3 credits



91173 : Demonstrate understanding of electricity and electromagnetism, Level 2, 6 credits



Vocational Credits: 26 | Other Credits: 0 | Total: 26
R = Recommended SR = Sector Related

Level Two Tools For Work

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Purpose – To learn practical mechanical skills by manufacturing a mini-bike as part of a team.

Pathway – This course provides students with an opportunity to experience work in a machinery workshop. It can lead to tertiary courses such as [Wintec](#) or [BOP Polytechnic](#).

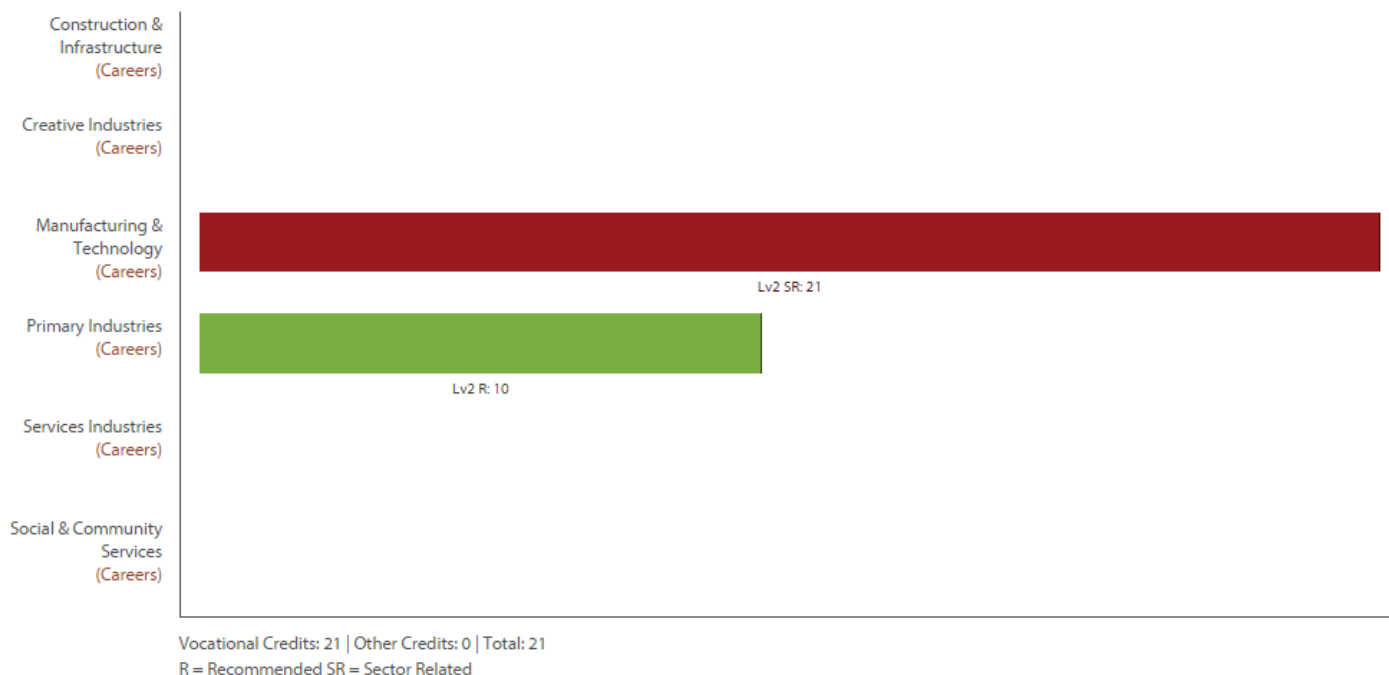
Recommended Entry – [Level One Product Design](#). This is actually a challenging course that requires a mixture of motivation, creativity, keen problem solving mind and a positive attitude.

Course Outline – This course requires students to follow a blue print and manufacture a mini bike. The bike components come as a kitset.

Course Fees – \$200 deposit up front for the mini bike kit (each student will get a completed mini bike at the end of the course). The balance of \$150 to be paid before the bike is taken home.

Assessment Information – 21 Credits (0 External) -

- 2387 : Assemble mechanical components under supervision, Level 2, 2 credits ●
- 2395 : Select, use, and care for, engineering hand tools, Level 2, 4 credits ● ▲
- 2396 : Select, use and maintain portable hand held engineering power tools, Level 2, 4 credits ● ▲
- 4435 : Select, use, and care for engineering dimensional measuring equipment, Level 2, 3 credits ●
- 4436 : Select, use, and care for engineering marking-out equipment, Level 2, 4 credits ●
- 20917 : Demonstrate basic knowledge of engineering materials, Level 2, 2 credits ● ▲
- 21911 : Demonstrate knowledge of safety on engineering worksites, Level 2, 2 credits ●



Level Two SPEC

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NOT OFFERED IN 2017

Purpose – SPEC stands for “Specific Preparation for Employment and Citizenship : Developing the Key Competencies” - To develop the key competencies (from the NZ Curriculum Document) and prepare the students for part time and/or full time employment.

Pathway – This course is designed to prepare students for tertiary study or the work force. There is a [Level Three Spec Course](#).

Recommended Entry – This course is open to all students.

Course Outline – This course challenges the students to identify their strengths and prove opportunities to demonstrate the Key Competencies through a personal development programme. At Level Two students complete the SPEC ‘One Star Award’ and individual modules which are part of the requirements for the NZQA approved ‘Certificate of Mainstream Studies Level One’ which is completed over two years. Alongside these students complete unit standards based around preparation for employment. [Gateway](#) can also sit alongside the SPEC programme and additional unit standards may also be made available where needed

Course Fees – \$20 for course notes.

Assessment Information – 18+ Credits (0 External) -

One Off Courses in Fire Safety Course 10 Credits L2 & First Aid Course 4 Credits L2

1294 : Be interviewed in a formal interview, Level 2, 2 credits



1299 : Be assertive in a range of specified situations, Level 2, 4 credits



4252 : Produce a targeted resume, Level 2, 2 credits



7123 : Apply a problem solving method to a problem, Level 2, 2 credits



10781 : Produce a plan for own future directions, Level 2, 3 credits

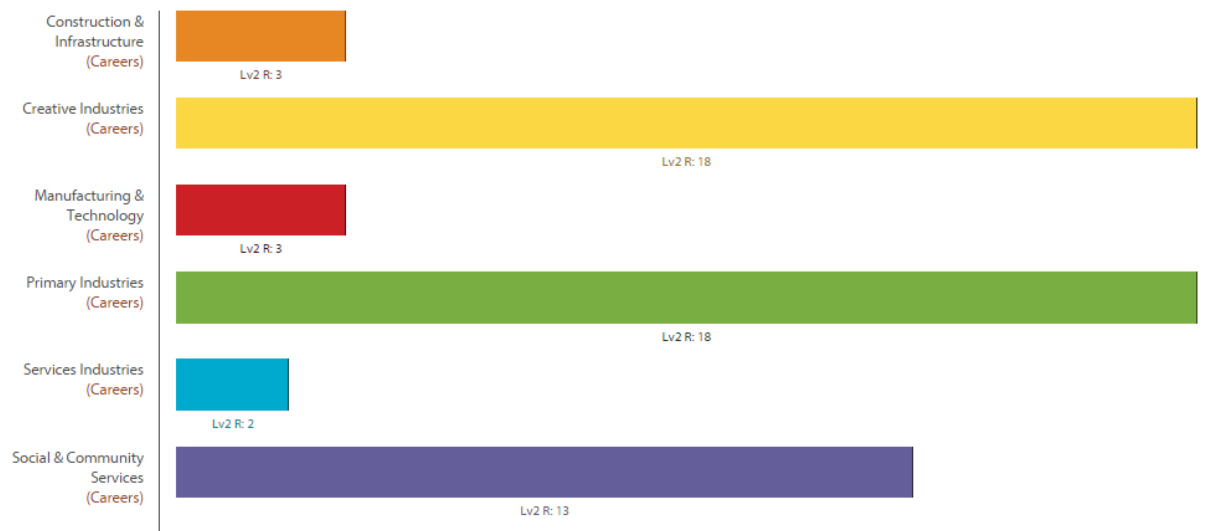


12349 : Demonstrate knowledge of time management, Level 2, 3 credits



24699 : Make an informed decision relating to personal income and evaluate its consequences, Level 2, 2 credits





Vocational Credits: 18 | Other Credits: 0 | Total: 18
 R = Recommended SR = Sector Related

Level Two Travel and Tourism

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Purpose – To develop skills and knowledge in Travel and Tourism. This course is designed to help students take the first step into careers in travel and tourism industries: aviation, travel, tourism, museums, retail, wholesale and hospitality.

Pathway – This course leads to [Level Three Travel and Tourism](#).

Recommended Entry – NCEA Level One. This course is open to all students.

Course Outline – This course aims to cover an introduction to the tourism industry and to provide scope for travel investigations. The tourism industry topics cover things such as job roles and basic skills and attitudes required in these jobs, while the travel section requires you to investigate transport, accommodation, government regulation and attractions in various tourist destinations. Credit counts towards the 'National Certificate in Travel and Tourism'. This can be done as a one or two year course (as at least 41 credits are needed to achieve the National Certificate).

Course Fees – there are no course fees.

Assessment Information – 27 Credits (0 External) -

24726 : Describe and compare social and cultural impacts of tourism, Level 2, 3 credits

24727 : Describe and compare impacts of tourism on the physical environment, Level 2, 3 credits

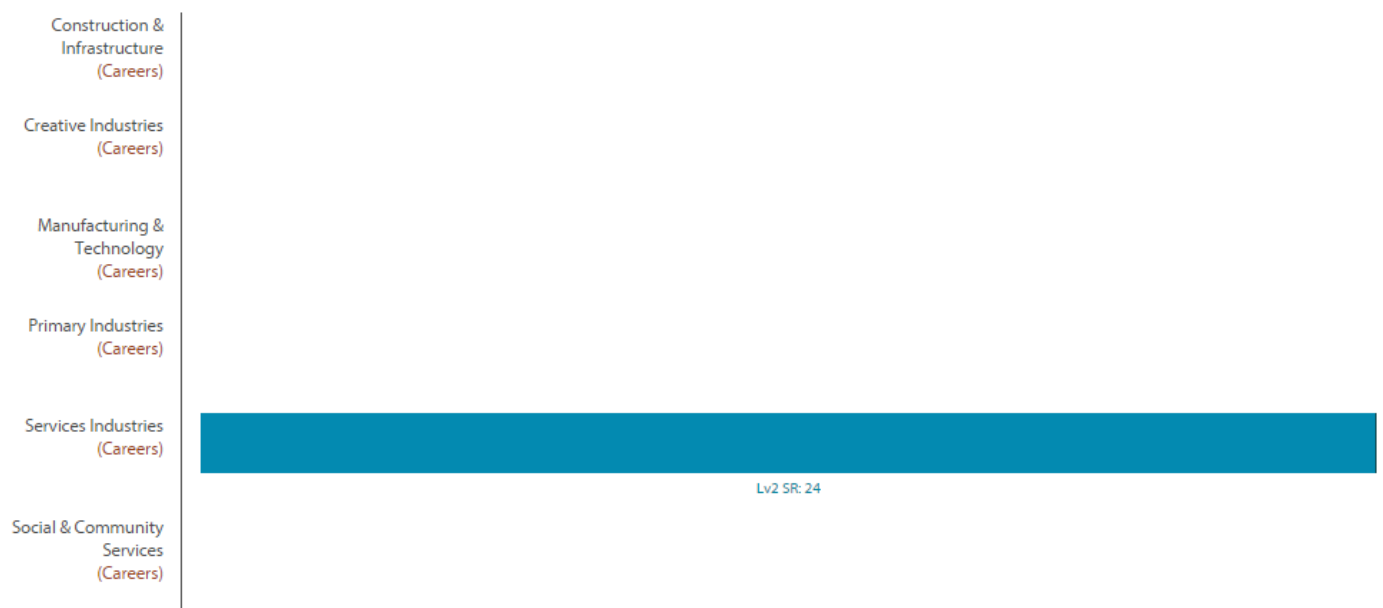
24728 : Demonstrate knowledge of work roles in tourism, Level 2, 3 credits

24729 : Demonstrate knowledge of world tourist destinations, Level 2, 4 credits

24730 : Demonstrate knowledge of the business of tourism, Level 2, 4 credits

24731 : Demonstrate knowledge of destination New Zealand, Level 2, 4 credits

24732 : Demonstrate knowledge of tourist characteristics and needs, Level 2, 3 credits



Vocational Credits: 24 | Other Credits: 0 | Total: 24

R = Recommended SR = Sector Related

Level Two Sports Education

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Purpose – To develop skills and knowledge in Physical Education.


Pathway – This course leads to [Level Three Physical Education](#)

Recommended Entry – [Level One Physical Education](#) or [Level One Sports Education](#).

Course Outline – This course involves 70% practical and 30% theoretical study. Students will snorkel the local coastlines as well as participate in a range of sports/topics including: volleyball, touch , coaching and social responsibility. Students will also gain a first aid certificate.

Course Fees – Fees for first aid and snorkelling trip.

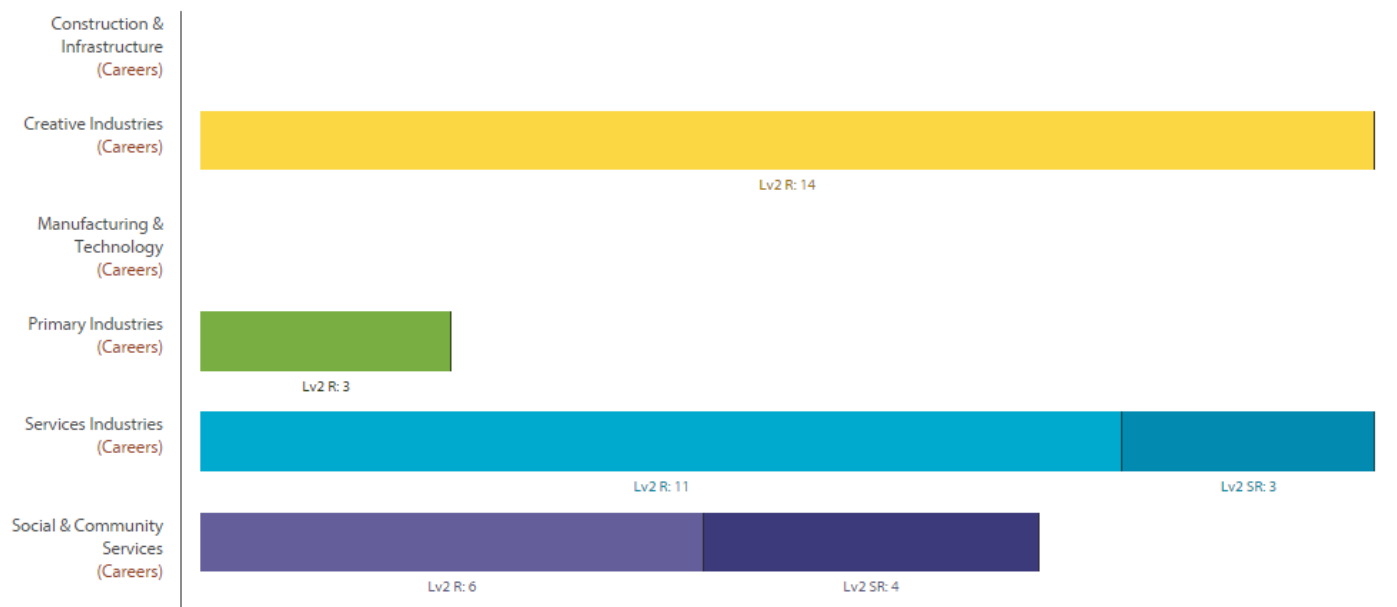
Assessment Information – 14 Level Two Credits and 4 Level One Credits (0 External) -

91330 : Perform a physical activity in an applied setting, Level 2, 4 credits 

91332 : Evaluate leadership strategies that contribute to the effective functioning of a group, Level 2, 4 credits 

91333 : Analyse the application of risk management strategies to a challenging outdoor activity, Level 2, 3 credits 


91334 : Consistently demonstrate social responsibility through applying a social responsibility model in physical activity, Level 2, 3 credits 



Vocational Credits: 14 | Other Credits: 0 | Total: 14
R = Recommended SR = Sector Related

Level Two Sustainability

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Purpose – To help gain students an understanding of their place in the world and to expose them to an area of interest that is growing in importance in our modern society. There is a variety of practical work and applying skills from other subject areas.

Pathway – This course provides a full endorsed course with possibility to move onto a Level 3 course eligible for university entrance

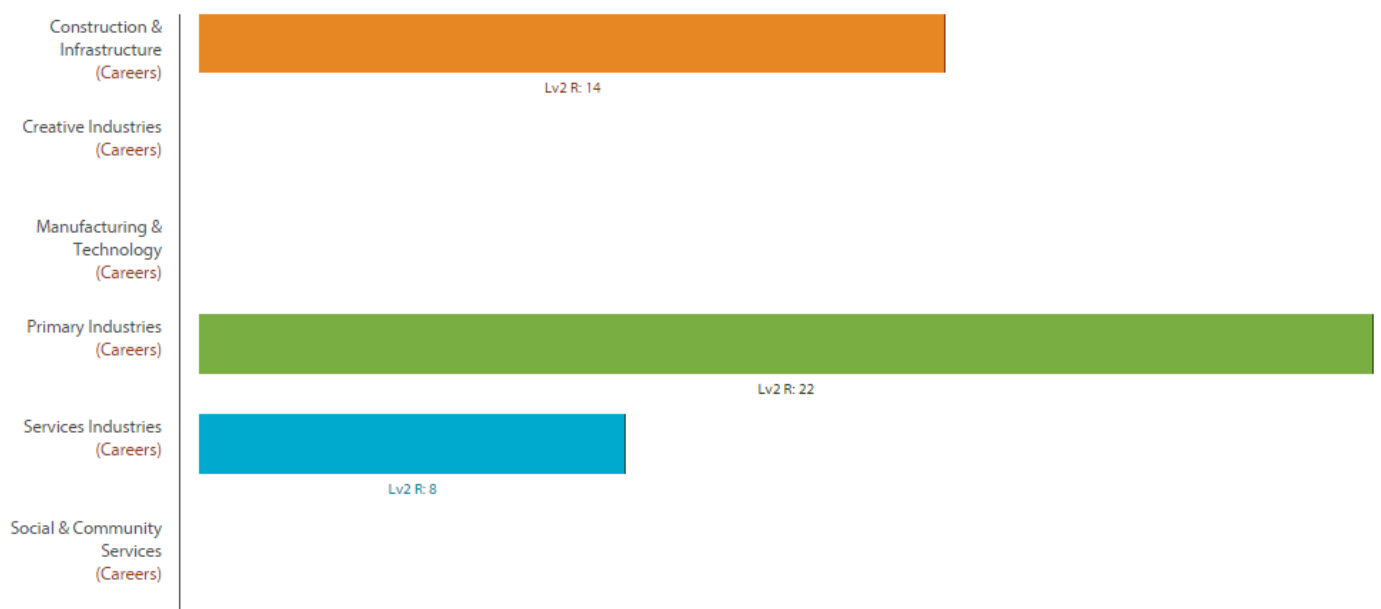
Recommended Entry – There is no requirement but should be prepared to work independently or in groups.

Course Outline – This course enables students to actively plan and implement projects in the school or local community projects.

Course Fees – No fees, but there will be opportunities for outside school visits.

Assessment Information – 22 Credits (0 External) -

- 90810 : Plan, implement and evaluate a personal action that will contribute towards a sustainable future, Level 2, 6 credits ▲▲
- 90811 : Describe the consequences of human activity within a biophysical environment in relation to a sustainable future, Level 2, 4 credits ▲▲
- 90814 : Describe aspects of sustainability in relation to a sustainable future, Level 2, 4 credits ▲▲▲
- 91733 : Demonstrate understanding of initiatives that contribute to a sustainable future, Level 2, 4 credits ▲▲
- 91734 : Develop a collaborative response that promotes a sustainable future, in relation to a current issue, Level 2, 4 credits ▲



Vocational Credits: 22 | Other Credits: 0 | Total: 22
R = Recommended SR = Sector Related

Level Two & Three Fitness/Weight Training

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Purpose – To develop skills and knowledge in Physical Education.

Pathway – This course leads to a career as a personal trainer or working in a gym – through the [BOP Polytechnic](#).

Recommended Entry – An interest in personal development, health and fitness.

Course Outline – This course is available for year 12 and or year 13 students that would like to combine their training with NCEA standards. Primarily study will involve weight training techniques, safety, and nutrition. Students work through the provided workbooks which will complement the training in the school weights room. This course is limited to 16 students due to the size of the weights room.

Course Fees – \$30 for visits to gymnasiums.

Assessment Information – 21 Level Two Credits (0 External) -

21791 : Relate human anatomy and movement to gym equipment and static stretching, Level 2, 4 credits ●

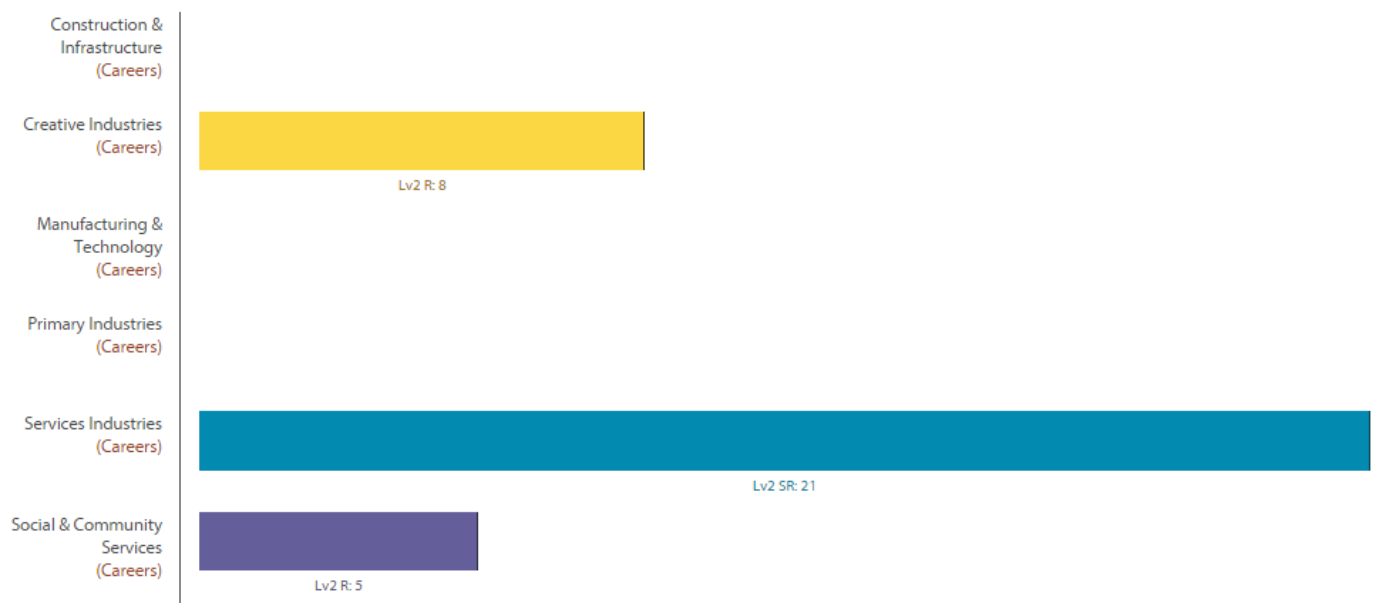
21792 : Demonstrate knowledge of health risk factors and disease, and monitor exercise stress, Level 2, 4 credits ●

21793 : Demonstrate correct technique when using basic gym equipment, Level 2, 2 credits ●

21794 : Demonstrate, instruct, and monitor static stretching, Level 2, 3 credits ●▲

21795 : Demonstrate, instruct, and monitor safe and correct use of cardiovascular exercise equipment, Level 2, 3 credits ●

91328 : Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills, Level 2, 5 credits ●▲▲



Vocational Credits: 21 | Other Credits: 0 | Total: 21

R = Recommended SR = Sector Related

Level Two Textiles

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Purpose – To build on skills and understanding of technological practise with soft material.


Pathway – This course leads to [Level Three Textiles](#).

Recommended Entry – [Level One Textiles](#), or proven experience with patterns and sewing.

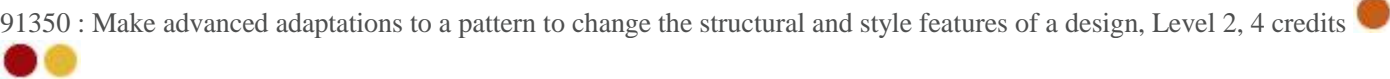
Course Outline – This course starts off with building on the skills learnt previously. Then add by looking at design era influences and more advanced adaptations of patterns.

Course Fees – \$45 to cover materials used in class, but you will need to provide materials for your assignments.

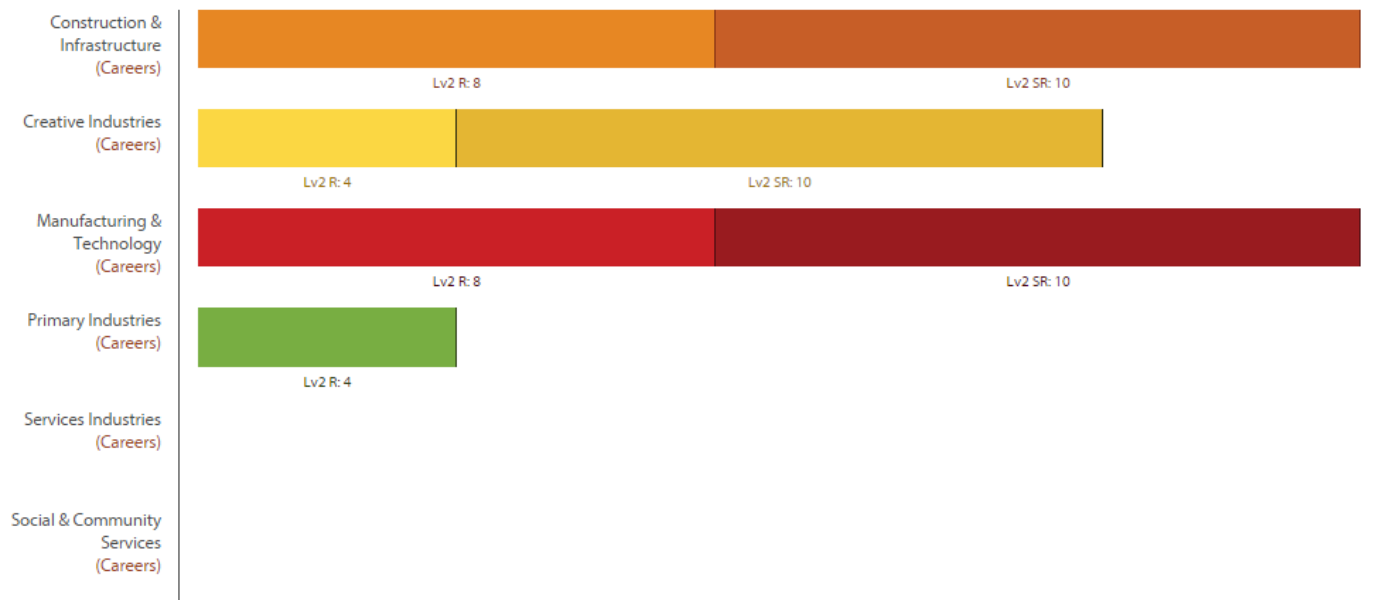
Assessment Information – 18 Credits (4 External *these are assessed as a portfolio/evidence of work there will be no exam*) -

91345 : Implement advanced procedures using textile materials to make a specified product with special features, Level 2, 6 credits 

91354 : Undertake brief development to address an issue, Level 2, 4 credits 

91350 : Make advanced adaptations to a pattern to change the structural and style features of a design, Level 2, 4 credits 

91358 : Demonstrate understanding of how technological modelling supports risk management, Level 2, 4 credits 



Vocational Credits: 18 | Other Credits: 0 | Total: 18
R = Recommended SR = Sector Related

Level Three Accounting

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Purpose – To build on skills and understanding in Accounting.

Pathway – This course leads to tertiary study like [Waikato University](#) or [Wintec](#).

Recommended Entry – [Level Two Accounting](#), or [Level One Accounting](#)


Course Outline – This course is aimed at students who have completed some base study in Accounting. They will need to have a good understanding of the process of bookkeeping and how to compile and interpret financial statements. The course looks at doing the accounts for different types of business.

Course Fees – \$10 Course Materials.

Assessment Information – 22 Credits (9 External) -

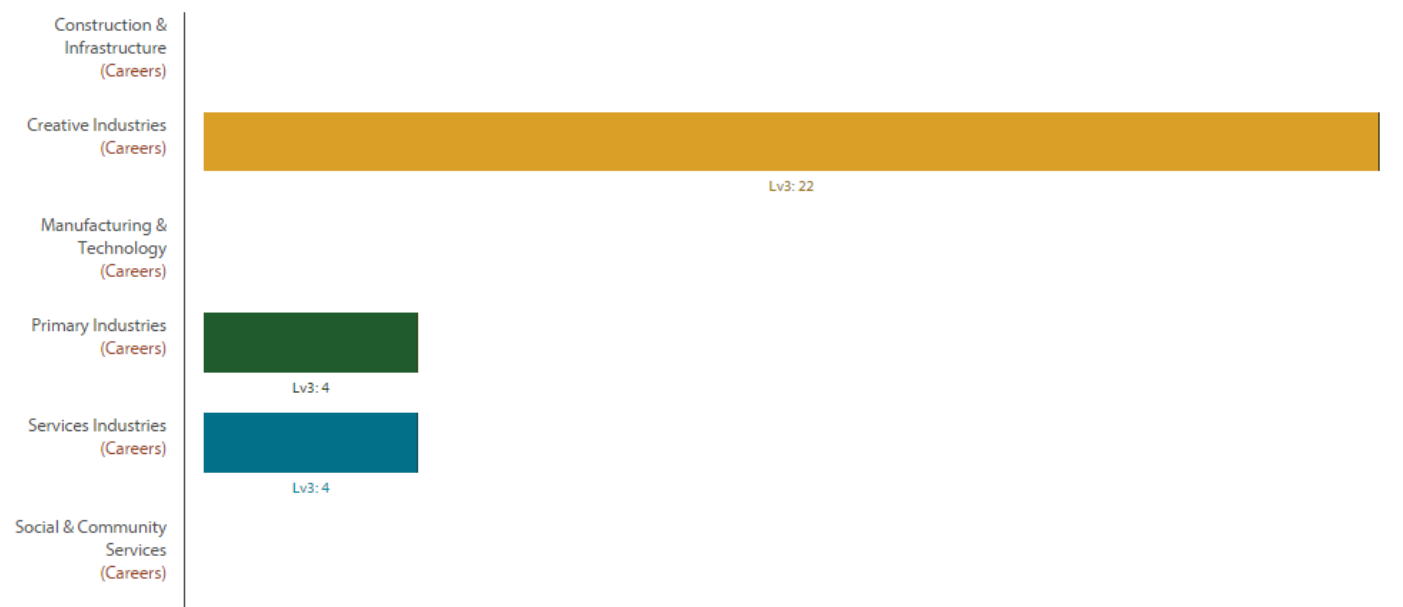
91405 : Demonstrate understanding of accounting for partnerships, Level 3, 4 credits  

91406 : Demonstrate understanding of company financial statement preparation, Level 3, 5 credits 

91407 : Prepare a report for an external user that interprets the annual report of a New Zealand reporting entity, Level 3, 5 credits  (*UE Reading and Writing*)

91408 : Demonstrate understanding of management accounting to inform decision-making, Level 3, 4 credits  

91409 : Demonstrate understanding of a job cost subsystem for an entity, Level 3, 4 credits 



Vocational Credits: 22 | Other Credits: 0 | Total: 22
R = Recommended SR = Sector Related

Level Three English

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Purpose – English is the study, use, and enjoyment of the English language communicated orally, visually, and in writing, for a range of purposes and audiences and in a variety of text forms. Credits gained can contribute to a range of career pathways including, polytechnic course entrance requirements, and a range of vocational pathways.


Pathway – This course leads to tertiary study like [Waikato University](#) or [Wintec](#).


Recommended Entry – 15 credits at [Level Two English](#), including at least one external standard.


Course Outline – This academic course is based around the in-depth study of English literature, language and visual texts. It is designed for students who wish to study English, or an associated subject, at university level. An opportunity for students to enter for the English Scholarship Examination will be available to those who express their interest in term 1.

Course Fees – workbook (approximately \$26)

Assessment Information – Selected from possible 21 Credits (8 External) In order to provide personalised learning, students are encouraged to select from this list of available standards: -

91472 : Respond critically to specified aspects of studied written texts, supported by evidence, L3, 4 crds  (UE Reading and Writing)


91473 : Respond critically to specified aspect(s) of studied visual or oral text(s), supported by evidence, Level 3, 4 credits  (UE Writing)

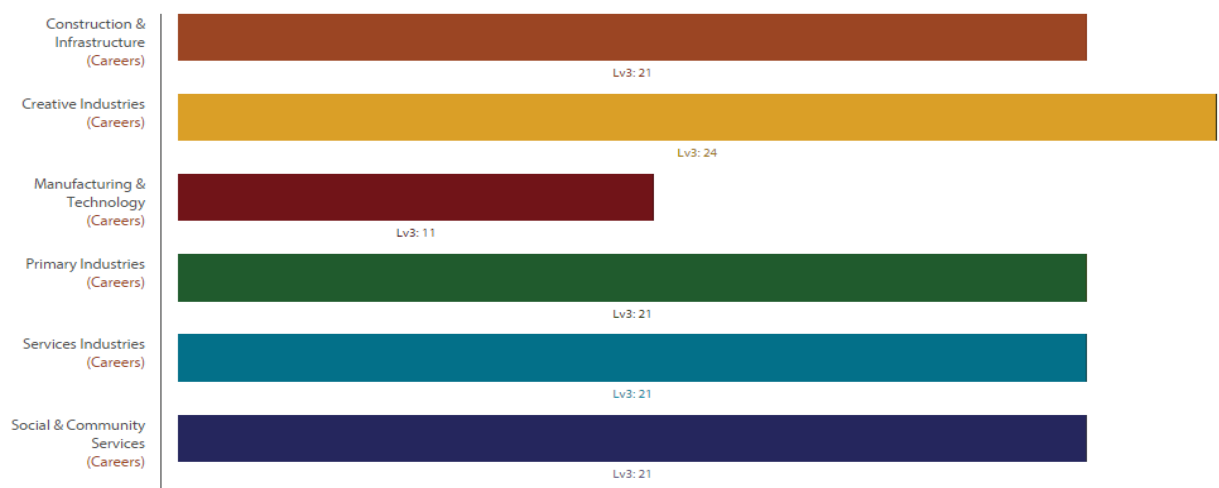
91474 : Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence, Level 3, 4 credits  (UE Reading and Writing)

91475 : Produce a selection of writing which develops, sustains, & ideas, L3, 6crds  (UE Writing)

91476 : Create & deliver fluent & coherent oral text develops, sustains, & structures ideas, L3, 3crds 

91479 : Develop informed understanding of literature and/or language texts, L3, 4crds  (UE Reading)

91480 : Respond critically to significant aspects of visual and/or oral text(s) through close reading, supported by evidence, Level 3, 3 credits 



Vocational Credits: 24 | Other Credits: 0 | Total: 24
R = Recommended SR = Sector Related

Level Three Agriculture

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Purpose – To develop theoretical knowledge and scientific skills in agriculture.

Pathway – This course leads to university study, at any university, but especially [Massey University](#) or [Telford](#).

Recommended Entry – [Level Two Farm Business](#)

Course Outline – This course develops your scientific and business understanding of farming. It involves two internal standards that involve doing scientific research into the profitable production of food

Course Fees – There are no fees with this course.

Assessment Information – 15 Credits (5 External), another external can be added for highly motivated students.

Compulsory Standards

91528 : Carry out an investigation into an aspect of a New Zealand primary product or its production, Level 3, 4 credits ▲

91529 : Research and report on the impact of factors on the profitability of a New Zealand primary product, Level 3, 6 credits ▲ (UE Reading)

91530 : Demonstrate understanding of how market forces affect supply of and demand for New Zealand primary products, Level 3, 5 credits ▲ (UE Reading and Writing)

Optional Standards

91531 : Demonstrate understanding of how the production process meets market requirements for a New Zealand primary product, Level 3, 4 credits ▲ (UE Reading and Writing)

91532 : Analyse a New Zealand primary production environmental issue, Level 3, 5 credits ▲ (UE Reading and Writing)



Vocational Credits: 15 | Other Credits: 0 | Total: 15
R = Recommended SR = Sector Related

n.b. not all standards were on the profile builder

Level Three Building and Construction

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NOT OFFERED 2017 – Gateway placements with local contractors can be arranged.

Purpose – To provide a trade based option for students wishing to continue in the Building industry.

Pathway – This course leads to tertiary study like [Wintec](#) an apprenticeship like [BCITO](#).

Recommended Entry – [Level Two Building and Construction](#) or [Level Two Product Design](#).

Course Outline – This is a practical and theory based course for those students considering working in the trades or entering Tertiary Education. This is a school based programme that has been planned in conjunction with the Bay of Plenty Polytechnic. Students are expected to enter a [Gateway](#) programme as well as completing projects at school. The course also involves visits to building sites and the Bay of Plenty Polytechnic in Tauranga.

Course Fees – \$50 for own project materials.

Assessment Information – 13 Credits (0 External) -

- 13000 Knowledge of portable power tools 4 credits Internal
- 24378 Perform building calculations 4 credits Internal
- 13032 Demonstrate knowledge of non-mechanical construction equipment 1 credits External
Optional
- 24354 Demonstrate knowledge of safe work practices in a BCAT workplace. 4 credits Internal

Level Three Mathematics with Calculus [Return To Contents](#)

Purpose – To develop knowledge and skills of Calculus Techniques.

Pathway – This course leads to tertiary study like [Waikato University](#) or [Auckland University](#).

Recommended Entry – [Level Two Advanced Mathematics](#) - including Calculus (91262) and Algebra (91261).

Course Outline – Mathematics with Calculus is the most advanced Mathematics course offered at Waihi College. Trigonometry and simultaneous equations are assessed internally. There are three external topics including differentiation, integration and complex numbers.

Course Fees – \$25 for a course book and a graphical calculator (which is essential at this level of maths).

Assessment Information – 24 Credits (17 External) -

91573 : Apply the geometry of conic sections in solving problems, Level 3, 3 credits 

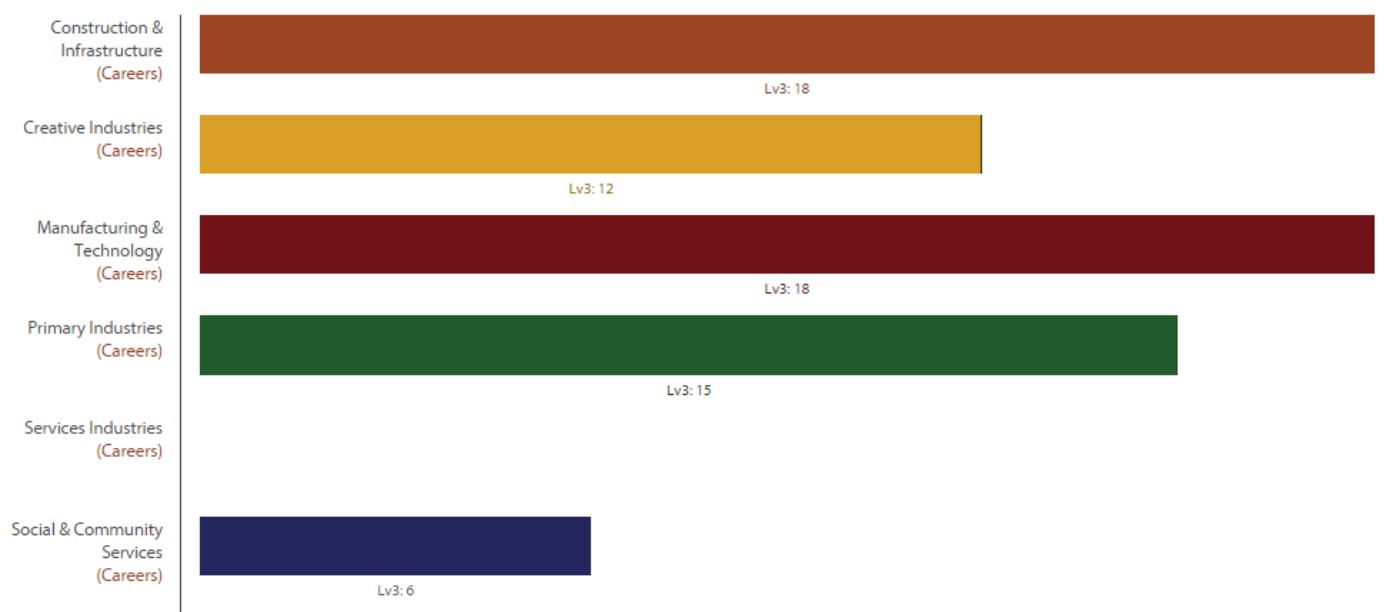
91575 : Apply trigonometric methods in solving problems, Level 3, 4 credits 

91577 : Apply the algebra of complex numbers in solving problems, Level 3, 5 credits

91578 : Apply differentiation methods in solving problems, Level 3, 6 credits 

91579 : Apply integration methods in solving problems, Level 3, 6 credits 

91587 : Apply systems of simultaneous equations in solving problems, Level 3, 3 credits 



Vocational Credits: 18 | Other Credits: 5 | Total: 23

R = Recommended SR = Sector Related

Level Three Chemistry

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Purpose – To better understand the world around us at the molecular level. To more fully appreciate future challenges facing humankind – pollution, treatment of disease, climate change and the need for clean energy – and the opportunities presented by new technologies.

Pathway – This course leads to tertiary study like [Waikato University](#) or [Auckland University](#).


Recommended Entry – [Level Two Chemistry](#) (including passing external papers from 91164, 91165, 91166)


Course Outline – This course continues to provide a good grounding in the basics of Chemistry. Students will do a practical investigation into the levels of a chemical (e.g. vitamin C – ascorbic acid) and carry out a research assignment on a chemical process. A third internal standard looks at Electrochemistry. Theory topics will include bonding and enthalpy changes, organic chemistry, and aqueous equilibria. The course can lead to further studies of Sciences and a huge range of study and career opportunities.

Course Fees – \$10 for a course book.

Assessment Information – 25 Credits (15 External – the 3rd external (aqueous) is optional) -

91387 : Carry out an investn in chemistry involving quantitative analysis, Level 3, 4 credits  (UE Writing)

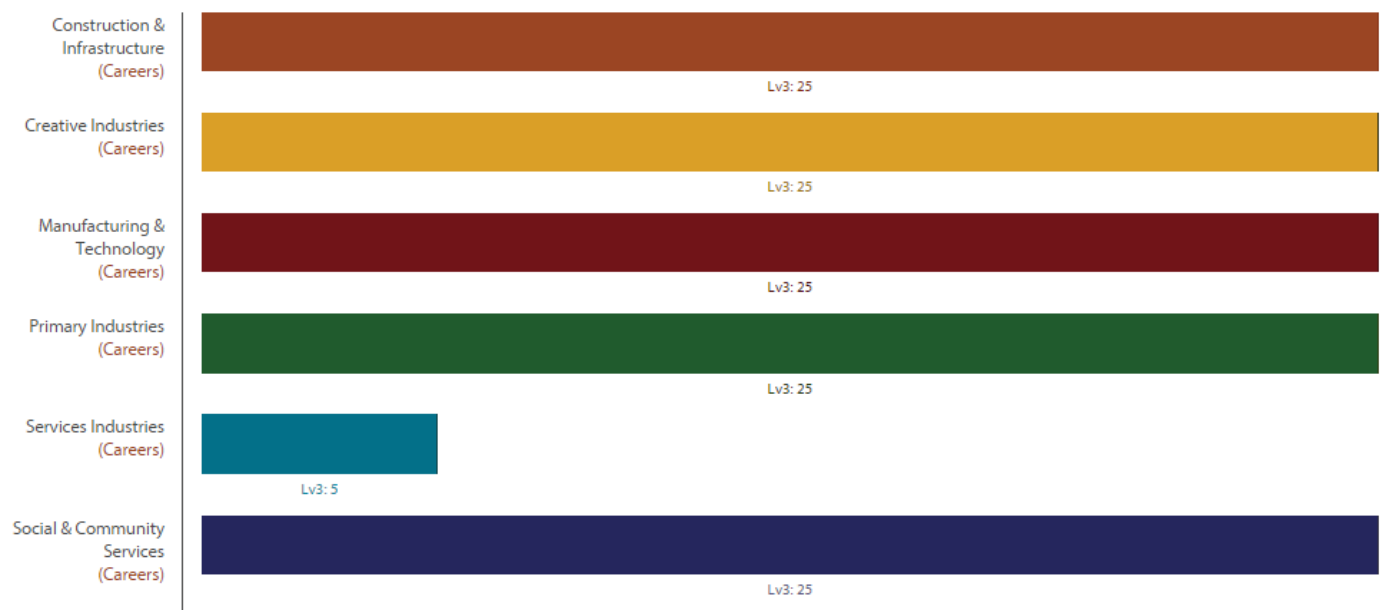
91389 : Demonstrate understanding of chemical processes in the world around us, Level 3, 3 credits  (UE Reading and Writing)

91390 : Demonstrate understanding of thermochemical principles and the properties of particles and substances, Level 3, 5 credits 

91391 : Demonstrate understanding of the properties of organic compounds, Level 3, 5 credits 

91392 : Demonstrate understanding of equilibrium principles in aqueous systems, Level 3, 5 credits 

91393 : Demonstrate understanding of oxidation-reduction processes, Level 3, 3 credits 



Vocational Credits: 25 | Other Credits: 0 | Total: 25

R = Recommended SR = Sector Related

Level Three Drama

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Purpose – To develop knowledge and skills in Drama and establish academic and professional pathways.

Pathway – This course leads to tertiary study like [Auckland University](#) or [Unitec](#).

Recommended Entry – [Level Two Drama](#) (recommended) or an established interest in the subject area.

Course Outline – The Year 13 Drama programme is a year of increasing self-reliance, self-discipline and experimentation through a range of dramatic opportunities culminating in the Individual Project. The course offers workshops in Extended Dramatic Technique, Genre Exploration and Devising. Students will attend professional theatrical productions as a part of their coursework. It also completes the student's preparation for entry into tertiary study and continues to offer first hand experiences of Drama related professions and enables students to form professional relationships with potential employers. It also encourages students to realise their plans for their own business endeavours.

Course Fees – \$20 and \$48 Field Trip

Assessment Information – 26 Credits (4 External) -

91512 : Interpret scripted text to integrate drama techniques in performance, Level 3, 4 credits ▲ (UE Reading)

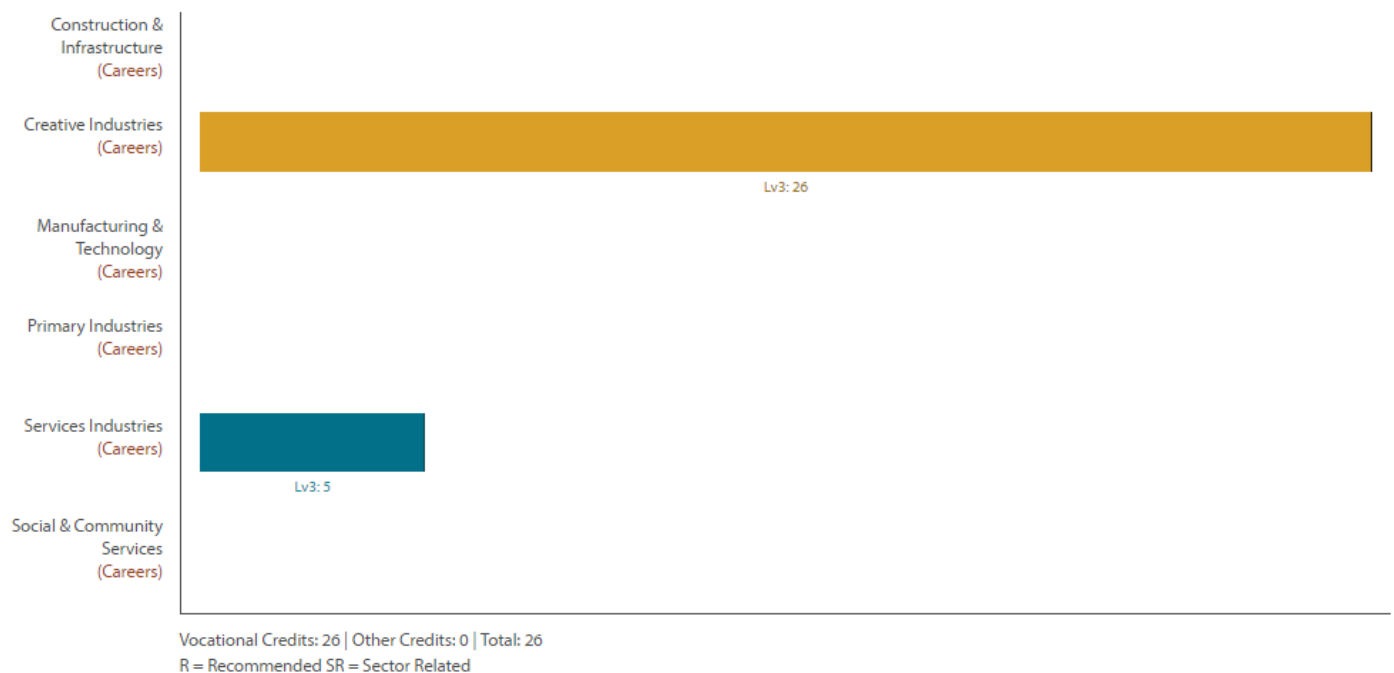
91513 : Devise and perform a drama to realise a concept, Level 3, 5 credits ▲▲

91515 : Select and use complex performance skills associated with a drama form or period, Level 3, 4 credits ▲ (UE Reading)

91516 : Demonstrate understanding of the work of a drama or theatre theorist or practitioner, Level 3, 4 credits ▲ (UE Reading)

91517 : Perform a substantial acting role in a significant production, Level 3, 5 credits ▲ (UE Reading)

91518 : Demonstrate understanding of live drama performance, Level 3, 4 credits ▲ (UE Writing)



Level Three Catering

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Purpose – To further develop skills in the cooking and presentation of food as well as nutrition and food safety.




Pathway – This course leads to tertiary study like [Wintec](#) or [BOP Polytechnic](#).

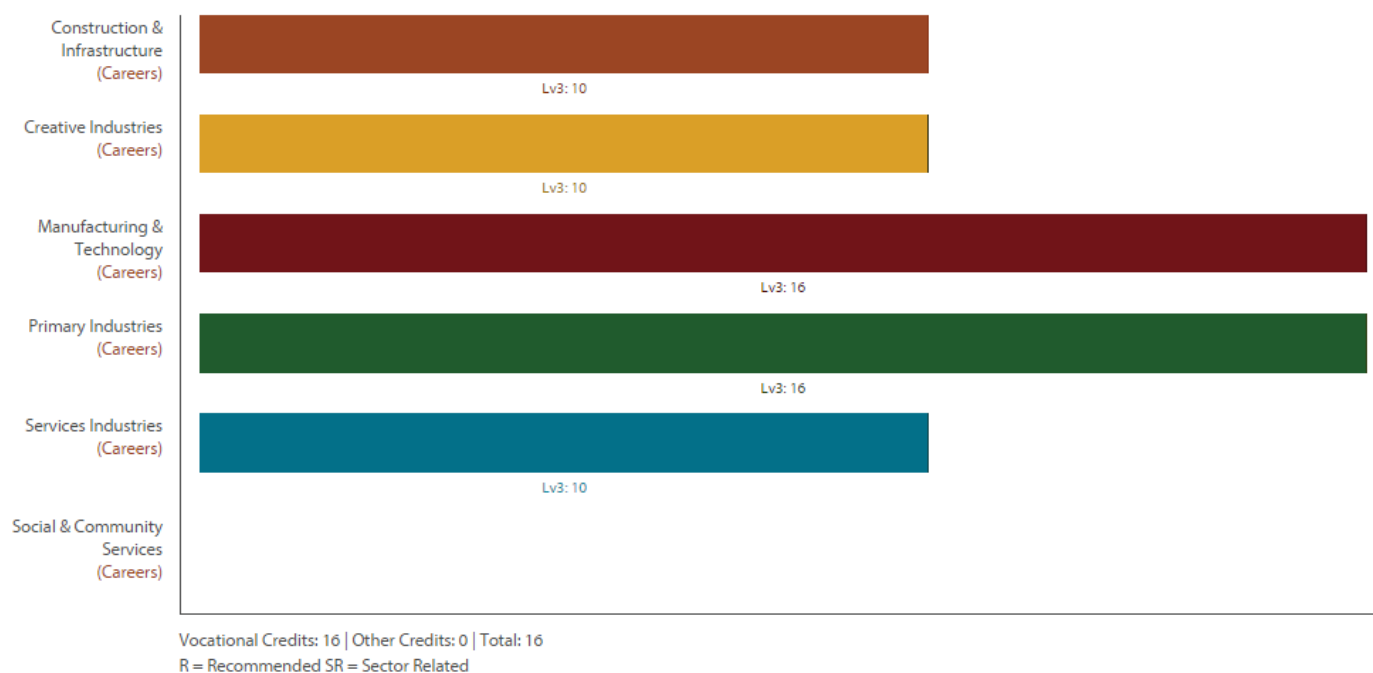
Recommended Entry – [Level Two Catering](#) is useful but not essential.

Course Outline – Level Three Catering is a combination of Technology Achievement Standards and Service IQ Industry Standards. The Technology Achievement Standards include one which relates to the Processing of Cream Puffs plus two others which will culminate in the students running a café. One Service IQ standard focusses on healthy eating and the other on culinary products and terms. This course is flexible and will depend on what the students' needs are so Level Two Service IQ Cookery Skills units can be added to this course if needed. Level Three Catering students are expected to help with catering for school functions and they will be involved in the running of at least one café throughout the year.

Course Fees – \$70.

Assessment Information – 29 Credits (0 External) - Standards will be chosen from...

- 13343 Demonstrate knowledge of basic nutrition in commercial catering (Internal 5 Credits)
- 18497 Demonstrate knowledge of culinary products and terms (Internal 8 Credits)
- 91609 : Undertake project management to support technological practice, Level 3, 4 credits 
- 91611 : Develop a prototype considering fitness for purpose in the broadest sense, Level 3, 6 credits 
- 91643 : Implement complex procedures to process a specified product, Level 3, 6 credits 



n.b two of these standards were not on the profile builder at the time of printing this document.

Level Three Geography

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Purpose – Geography gives students a multidisciplinary or holistic view of the world, combining knowledge, skills, and understandings of the physical and social sciences. It fosters a curiosity about place and space, and provokes questions about natural and cultural environments and their interconnectedness. Geography provides opportunities through fieldwork for first-hand investigations of places, environments, and human activities. It helps students make sense of complex issues such as climate change, ageing populations, urban growth, land conflicts, globalisation, and sustainability.















Pathway – This course leads to tertiary study like [Waikato University](#) or [Auckland University](#).

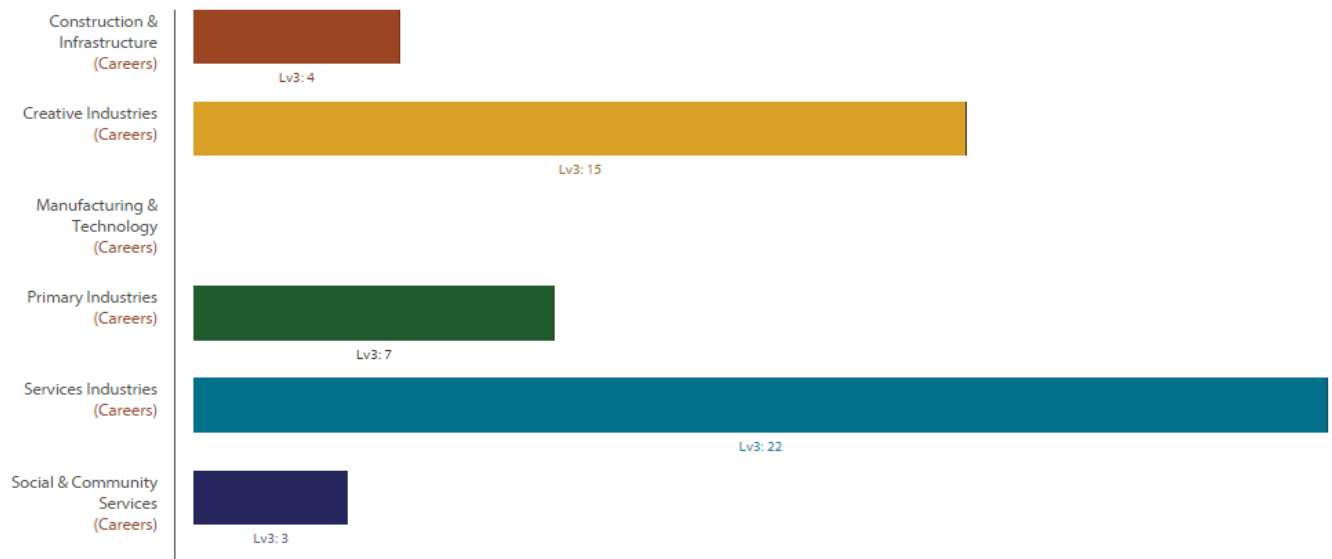
Recommended Entry – [Level Two Geography](#).

Course Outline – The Year 13 course expands and broadens students understanding of natural and cultural environments. The course focuses on coastal processes, tourism development, population studies, global topics, geographic issues and research skills. There are a variety of case studies from NZ and around the world eg. Rotorua, Nepal. This is an achievement standard course, which includes both internal and external assessments.

Course Fees – \$2500 approx (Fiji trip).

Assessment Information –22 Credits (8 External) -

- 91427 : Demonstrate understanding cultural process shapes Geo environment(s), L3, 4 crds  (UE Reading and Writing)
- 91428 : Analyse a significant contemporary event from a geographic perspective, L3, 3 crds  (UE Reading)
- 91429 : Demonstrate understanding of a given environment(s) through selection and application of geographic concepts and skills, Level 3, 4 credits     (UE Reading and Writing)
- 91430 : Conduct geographic research with consultation, Level 3, 5 credits  
- 91431 : Analyse aspects of a contemporary geographic issue, Level 3, 3 credits    (UE Reading)
- 91432 : Analyse aspects of a geographic topic at a global scale, Level 3, 3 credits   



Vocational Credits: 22 | Other Credits: 0 | Total: 22
R = Recommended SR = Sector Related

Level Three Graphics (DVC)

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Purpose – Graphics (aka Design and Visual Communication) develop knowledge and skills in designing Architecture and Products. .

Pathway – This course leads to tertiary study like [Waiariki Polytechnic](#) or [Auckland University](#).

Recommended Entry – [Level Two Graphics](#).

Course Outline – This course challenges students to think about the fundamentals of design and how this is used in developing Products and Architecture. Briefs or units of work are used to solve Architecture and Product design problems. Design Skills, Drawing Skills, Computers, and Presentation Skills are all used to help solve these design problems. Students will Learn to use sketching techniques, produce formal drawings using instruments, computer presentation and computer drawing programmes.

Course Fees – Own equipment and stationery.

Assessment Information –22 Credits (10 External) -

91627 : Initiate design ideas through exploration, Level 3, 4 credits



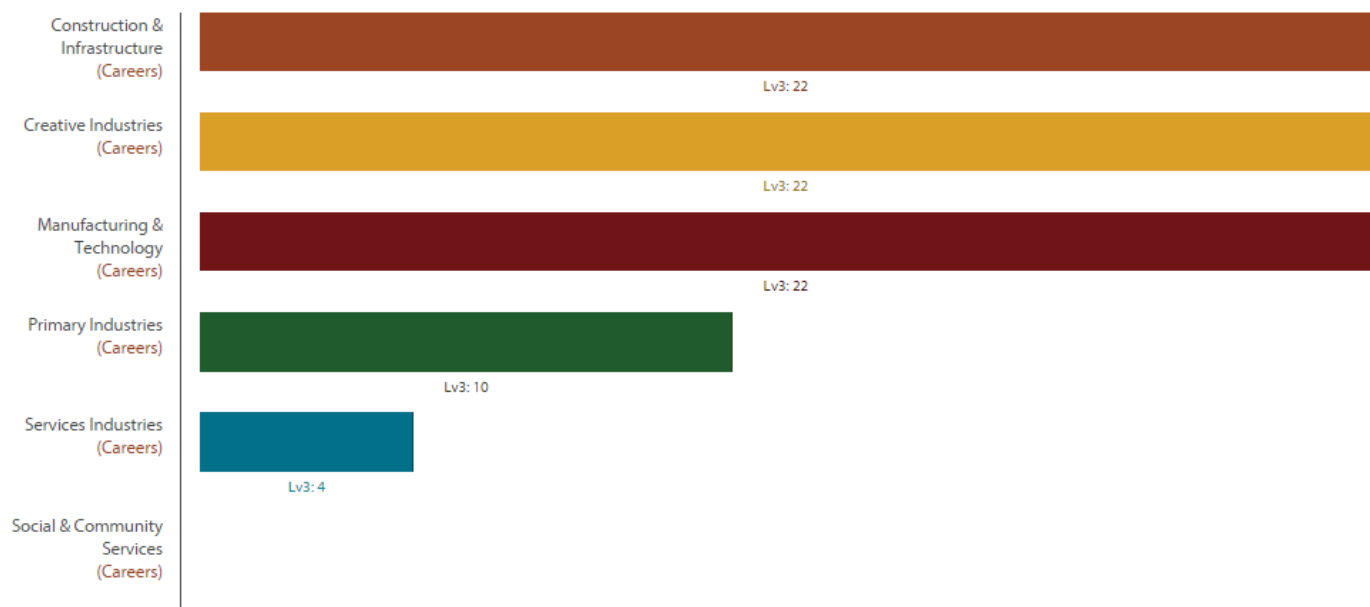
91629 : Resolve a spatial design through graphics practice, Level 3, 6 credits



91630 : Resolve a product design through graphics practice, Level 3, 6 credits



91631 : Produce working drawings to communicate production details for a complex design, Level 3, 6 credits



Vocational Credits: 22 | Other Credits: 0 | Total: 22

R = Recommended SR = Sector Related

Level Three Health Education

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Purpose – To develop knowledge and understanding of Health Issue in NZ and the wider society.

Pathway – This course leads to tertiary study like [BOP Polytechnic](#) or [Wintec](#).

Recommended Entry – [Level Two Health](#).

Course Outline – This subject looks in greater depth at the topics covered in level 2 building on student’s prior knowledge and experience. Subjects covered include sexuality, relationships, dealing with stress and communication.

Ideally this course is designed for students that have an aim to go into medical/health vocations. There is an emphasis on the differences of traditional western medicine and alternative medical treatments.

Course Fees – \$50 for a one day field trip.

Assessment Information –19 Credits (5 External) -

91461 : Analyse a New Zealand health issue, Level 3, 5 credits  (UE Reading)

91462 : Analyse an international health issue, Level 3, 5 credits  (UE Reading and Writing)

91463 : Evaluate health practices currently used in New Zealand, Level 3, 5 credits  (UE Reading)

91464 : Analyse a contemporary ethical issue in relation to well-being, Level 3, 4 credits  (UE Reading)



Vocational Credits: 19 | Other Credits: 0 | Total: 19
R = Recommended SR = Sector Related

Level Three History

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Purpose – To develop knowledge and skills in History.






Pathway – This course leads to tertiary study like [Auckland University](#) or [Waikato University](#).

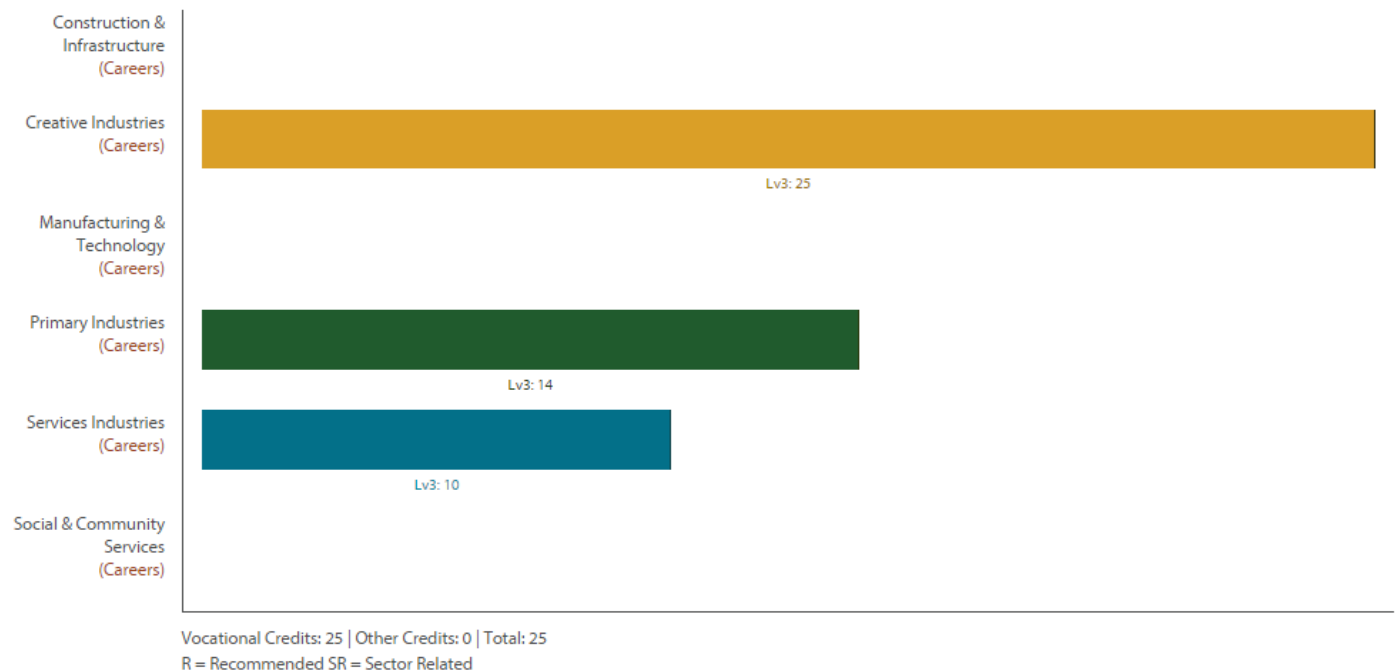
Recommended Entry – [Level Two History](#) or [Level Two English](#).

Course Outline – Good literacy and previous History experience will be helpful for success but not essential. Good English skills and background in current affairs are also assets. There are fifteen internal credits available. External assessment focuses on resource interpretation and essay writing. Students who sign up for this course will meet with Mrs Morley in Term 4, 2016 to discuss and agree on up to three topics for study.

Course Fees – There are no course fees.

Assessment Information –25 Credits (6 External) -

- 91434 : Research an historical event or place of significance to New Zealanders, using primary and secondary sources, Level 3, 5 credits 
- 91435 : Analyse an historical event, or place, of significance to New Zealanders, Level 3, 5 credits 
- 91436 : Analyse evidence relating to an historical event of significance to New Zealanders, Level 3, 4 credits 
- 91437 : Analyse different perspectives of a contested event of significance to New Zealanders, Level 3, 5 credits 
- 91438 : Analyse the causes and consequences of a significant historical event, Level 3, 6 credits 



Level Three Horticulture

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Purpose – To develop Waihi College students’ knowledge and skills in Horticulture.

Pathway – This course leads to tertiary study like [Massey University](#) or [Waiariki Polytechnic](#) or [Taratahi](#).

Recommended Entry – [Level Two Horticulture](#) will be an advantage.

Course Outline – Horticulture involves learning about plant processes, plant life cycles, as well as learning about soils for growing plants. There are several aspects to this course;

- Practical work in the classroom and around the farm unit and horticulture gardens.
- Theory and classwork.

The standards in this course are more academic than in level one/two horticulture. But much of this is linked to the practical experiences.

Course Fees – There are no course fees.

Assessment Information –21 Credits (0 External) -

22175 Demonstrate knowledge of soil properties and their effect on plant growth L3 10 credits.

27120 Identify and describe weeds, and methods of prevention and control L3 6 credits.

22178 Demonstrate knowledge of plant processes and plant life cycles L3 5 credits.



Vocational Credits: 20 | Other Credits: 0 | Total: 20
R = Recommended SR = Sector Related

Level Three Media Design

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Purpose – To develop knowledge and skills with design programmes while learning the principals and elements of design to enable students to apply for Tertiary Study.






Pathway – This course leads to tertiary study like [BOP Polytechnic](#) or [Waikato University](#).

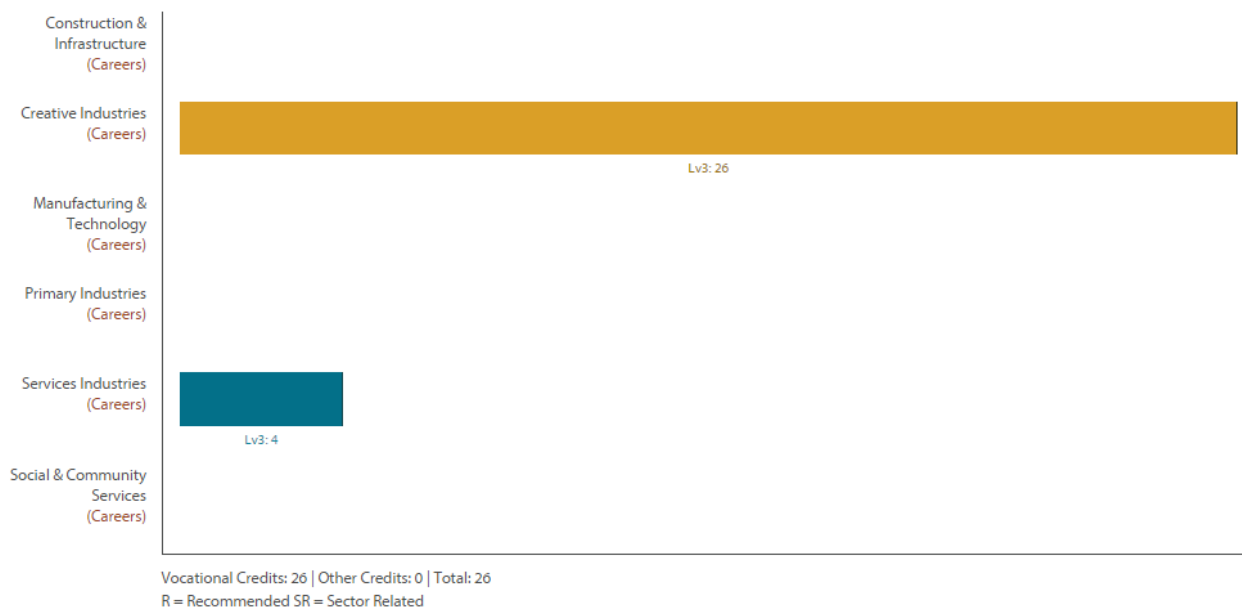
Recommended Entry – [Level Two Media Design](#). And a completion of Level Two external boards (91320).

Course Outline – Students will be working closely with clients to develop a variety of outcomes. These may include print, website, or moving image. The students will have a chance to develop skills in Dreamweaver, Illustrator, Photoshop, Flash, Sony Vegas and Microsoft products.

Course Fees – Usual fees and print credit.

Assessment Information – 26 Credits (14 External) -

- 91440 : Analyse methods and ideas from established design practice, Level 3, 4 credits  
- 91445 : Use drawing to demonstrate understanding of conventions appropriate to design, Level 3, 4 credits 
- 91450 : Systematically clarify ideas using drawing informed by established design practice, Level 3, 4 credits 
- 91455 : Produce a systematic body of work that integrates conventions and regenerates ideas within design practice, Level 3, 14 credits 



Level Three Music

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Purpose – To develop knowledge and skills in Music.

Pathway – This course leads to tertiary study like the [New Zealand School of Music](#) or [Auckland University](#) or [Waikato University](#).

Recommended Entry – [Level Two Music](#) (or through an interview with TIC of Music).

Course Outline – Level 3 Music is an advanced course around performance and composition. Students will be expected to produce portfolio of work based around performing their own music and that of others. This may be done in a number of formats, which will be decided in discussion with teacher at the start of year. More credits will be available through involving in group performance. Students will select which standards they wish to complete based on their strengths and fields of interest.

Course Fees – \$25.

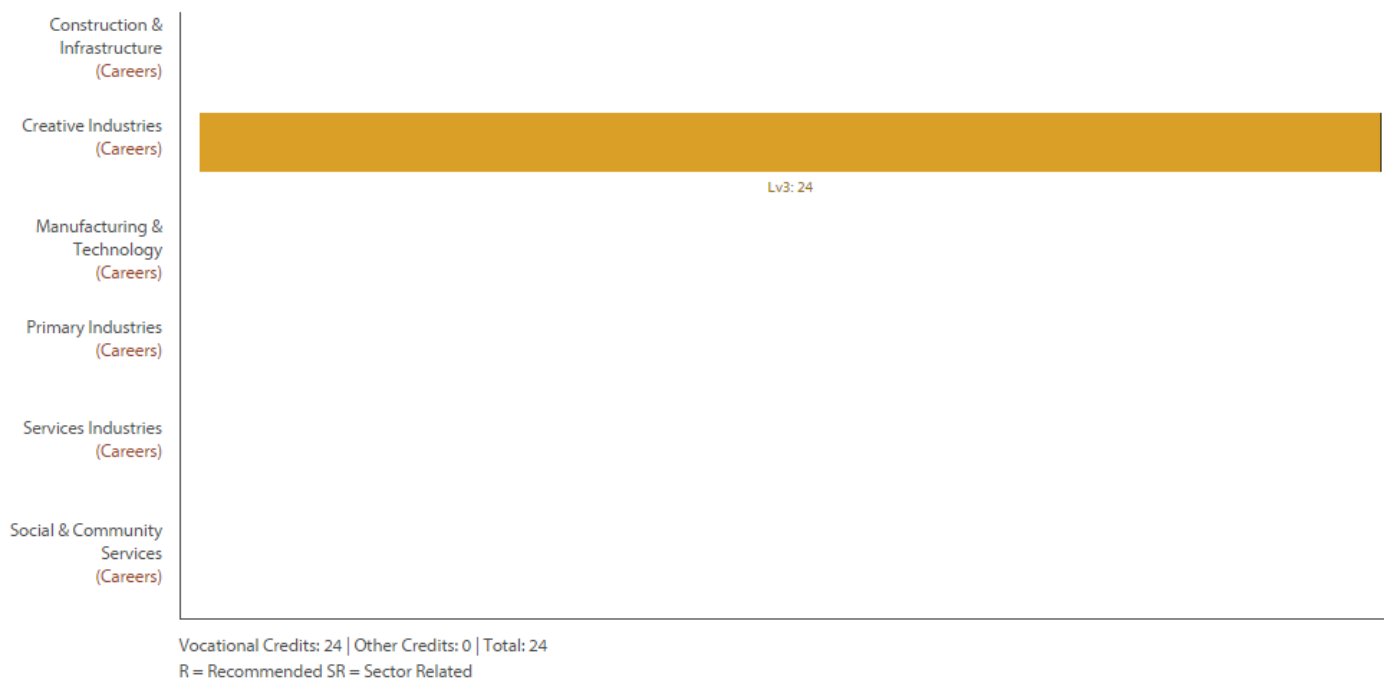
Assessment Information – Most students will do (other standards available depending on interest) -

91416 : Perform two programmes of music as a featured soloist, Level 3, 8 credits ▲

91418 : Demonstrate ensemble skills by performing two substantial pieces of music as a member of a group, Level 3, 4 credits ▲

91419 : Communicate musical intention by composing three original pieces of music, Level 3, 8 credits ▲

91423 : Examine the influence of context on a substantial music work, Level 3, 4 credits ▲



Level 3 Outdoor Education

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Purpose – To develop knowledge, skills and experience in a range of outdoor pursuits. It prepares individuals with the skills needed for outdoor such jobs as park rangers, pest control operators, Search and Rescue.

Pathway – This Level 3 course provides experience and expertise leading to increased competence and confidence in a wide range of outdoor activities. It provides 20 Level 3 credits.

Recommended Entry – This is a full on outdoor experience course. Students joining this course can expect to be challenged physically and mentally in the best that mother nature provides.

Course Outline – Waihi College will be offering a Level 3 Outdoor Education course however at the time of print, the course content has not yet been finalised. The course will offer a minimum of 20 Level 3 Unit Standards, focusing on preparing individuals to operate safely and competently in outdoor environments. Course content will include: Risk Management, Environmental Sustainability, Personal Safety, Personal Competency. Students will choose to work in a range of contexts from the following list: Abseiling, Rock Climbing, Tramping, Kayaking, Sea-kayaking, High and/or Low Ropes, and Mountain biking

Course Fees – \$550.00. This covers the cost of transport, equipment hire as needed and expert providers.

Assessment Information – This course uses unit standard at Level 3.

This course is the first part of a New Zealand Certificate in Outdoor Experiences ([click here](#)). The New Zealand Certificate is 40 Level Three Credits. What will be offered here at the college will be at least half of these standards (these will contribute to Level Three NCEA)...

- Prepare for their own outdoor experience, taking into account equipment, weather, terrain, and logistic requirements 5 credits
- Manage themselves safely while undertaking an outdoor experience in low risk environments 15 credits

Level Three Art Photography

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Purpose – To develop knowledge and skills in the field of Photography.

Pathway – This course leads to tertiary study like [Waikato University](#) or [Wintec](#) or [BOP Polytechnic](#).

Recommended Entry – [Level Two Art Photography](#) or [Level Two Art Painting](#).

Course Outline – This course challenges the student to develop photographic art works and express ideas in a range of photography styles through the study of a number of art photographers' working methods and ideas. Students expand their repertoire of photography skills, applying what they have learned from practical studies of artist models. These skills are then applied in mixed media artworks which communicate ideas in an extended series of interrelated art works. This culminates in the three panel folio board, the external assessment

Course Fees – Materials and equipment fee: 20 On going costs: print credit.

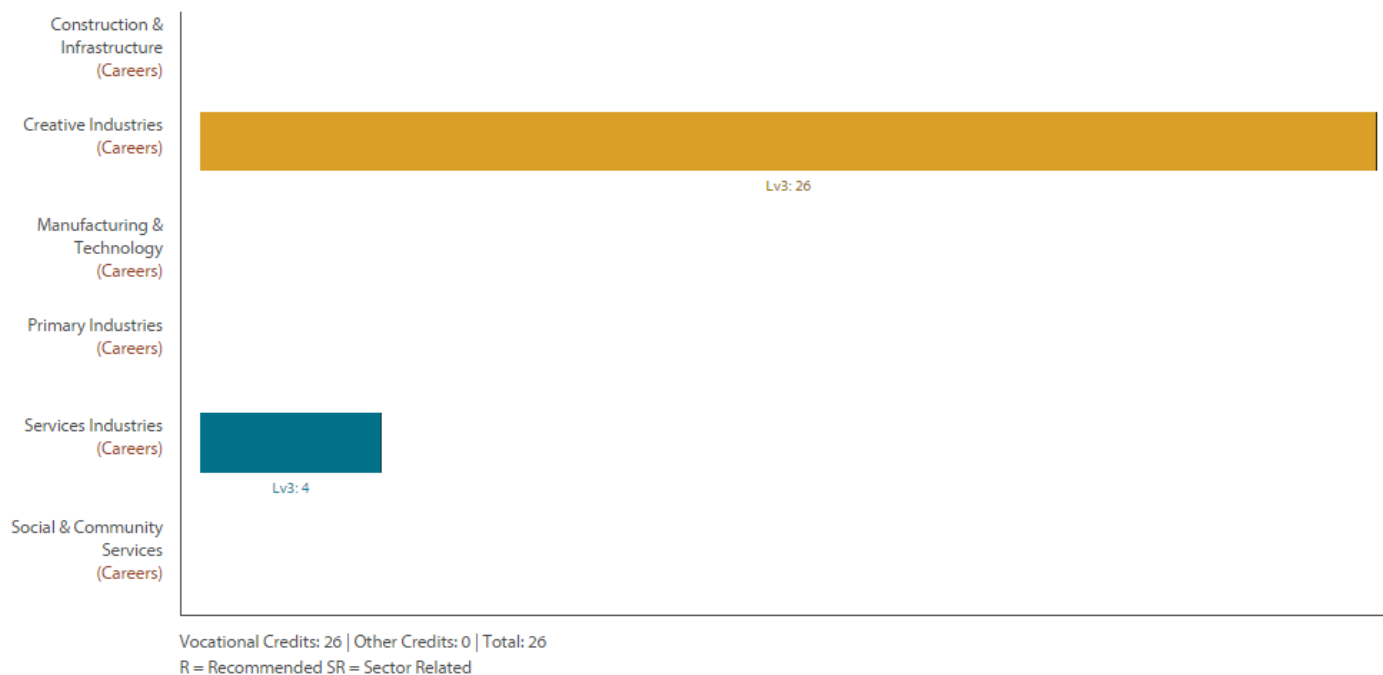
Assessment Information – 26 Credits (14 External *these are assessed as a portfolio/evidence of work there will be no exam*) -

91442 : Analyse methods and ideas from established photography practice, Level 3, 4 credits ▲▲

91447 : Use drawing to demonstrate understanding of conventions appropriate to photography, Level 3, 4 credits ▲

91452 : Systematically clarify ideas using drawing informed by established photography practice, Level 3, 4 credits ▲

91457 : Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice, Level 3, 14 credits ▲



Level Three Art Painting

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Purpose – To develop knowledge and skills in the field of Painting.

Pathway – This course leads to tertiary study like [Wintec](#) or [BOP Polytechnic](#).

Recommended Entry – [Level Two Art Photography](#) or [Level Two Art Painting](#).

Course Outline – This course challenges the student to develop art works and express ideas in a range of painting media and styles through the study of a number of artists' working methods and ideas. Students expand their repertoire of drawing and painting skills, applying what they have learned from practical studies of artist models. These skills are then applied in mixed media artworks which communicate ideas in an extended series of interrelated art works. The year's work culminates in the three panel folio board, the external assessment.

Course Fees – Materials and equipment fee: \$45.

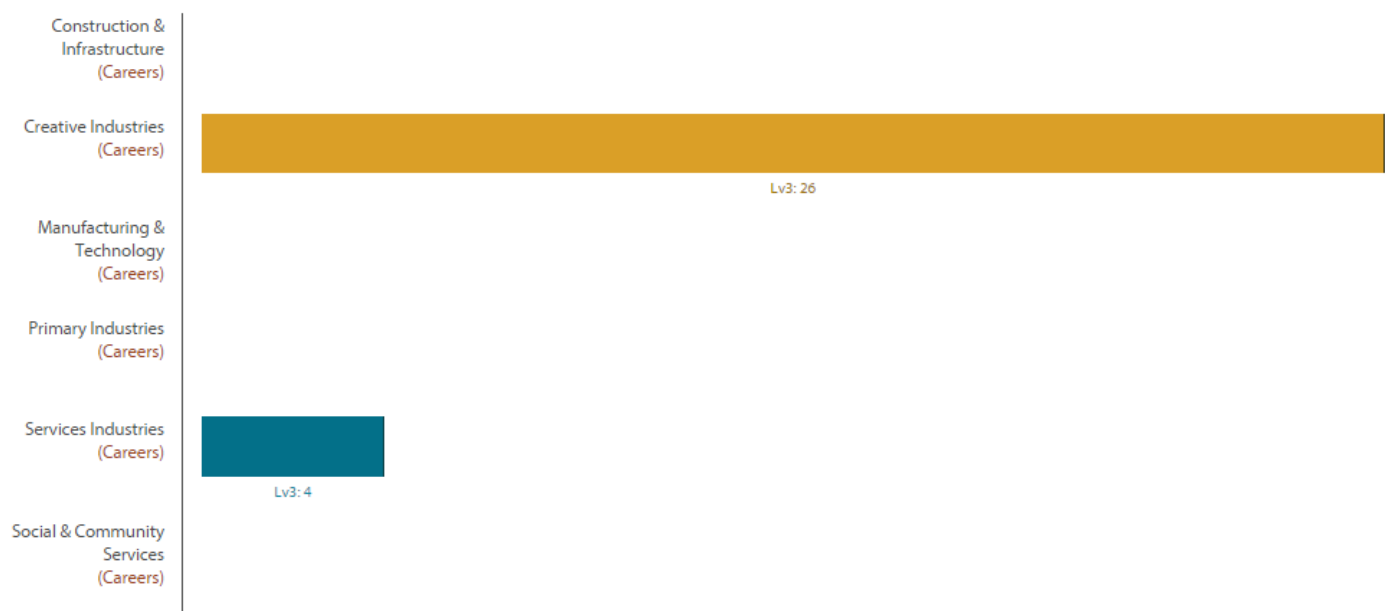
Assessment Information – 26 Credits (14 External *these are assessed as a portfolio/evidence of work there will be no exam*) -

91441 : Analyse methods and ideas from established painting practice, Level 3, 4 credits  

91446 : Use drawing to demonstrate understanding of conventions appropriate to painting, Level 3, 4 credits 

91451 : Systematically clarify ideas using drawing informed by established painting practice, Level 3, 4 credits 

91456 : Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice, Level 3, 14 credits 



Vocational Credits: 26 | Other Credits: 0 | Total: 26
R = Recommended SR = Sector Related

Level Three Physical Education

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Purpose – To develop knowledge and skills in Physical Education.

Pathway – This course leads to tertiary study like [Waikato University](#) or [BOP Polytechnic](#).

Recommended Entry – [Level Two Physical Education](#)

Course Outline – This course focuses on Level 8 of the Health and Physical Education curriculum. It will offer you the opportunity to experience and participate in a wide range of physical activities, in a variety of contexts. You will study how the body moves and responds to physical activity, as well as be able to develop your interpersonal skills in a variety of settings. The main focus of this course is to equip you with the necessary skills to maintain and develop your interpersonal skills in a variety of settings. This is to maintain and develop your personal well-being, both now and in the future; as well as prepare you for future academic and vocational opportunities.


Course Fees – Fees for Mt Biking Camp.

Assessment Information – 18 Credits (4 External) -

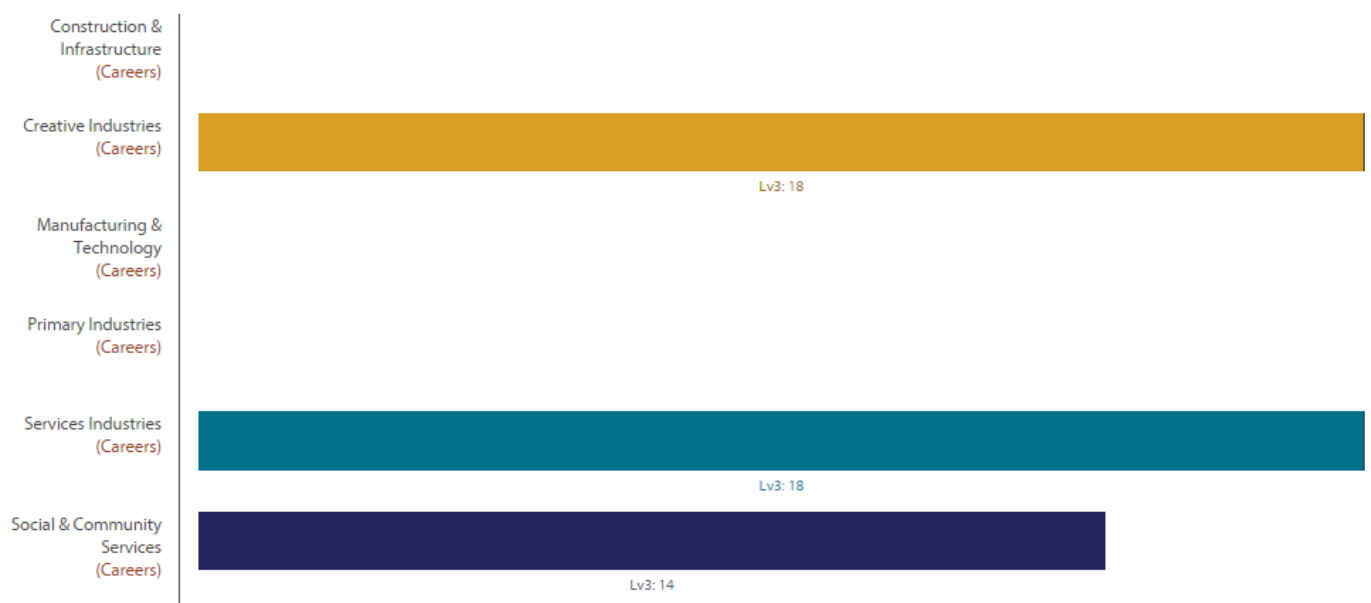
91498 : Evaluate physical activity experiences to devise strategies for lifelong well-being, Level 3, 4 credits 

91499 : Analyse a physical skill performed by self or others, Level 3, 3 credits 

91501 : Demonstrate quality performance of a physical activity in an applied setting, Level 3, 4 credits 

91502 : Examine a current physical activity event, trend, or issue and its impact on New Zealand society, Level 3, 4 credits  (UE Reading)

91504 : Analyse issues in safety management for outdoor activity to devise safety management strategies, Level 3, 3 credits 



Vocational Credits: 18 | Other Credits: 0 | Total: 18

R = Recommended SR = Sector Related

Level Three Physics

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Purpose – To expand knowledge and skills in the Physical Sciences.


Pathway – This course leads to tertiary study like [Waikato University](#) or [Auckland University](#)


Recommended Entry – [Level Two Physics](#) specifically in AS91171 (Mechanics) and AS91173 (Electromagnetism)

Course Outline – Physics involves the study of matter and its motion through space and time, along with concepts such as energy and force in order to understand how the universe behaves. In Level Three we bring our understanding of Physics closer to the modern era. Students will further develop their understanding of motion, force, rotation, oscillations, electricity, magnetism, waves and nuclear physics. We will also get a first look into the quantum nature of the atomic world. Physics is used in a wide range of careers such as Architecture, Aviation, Broadcasting, Communications, Computing, Design, Engineering, Geology, Health Services, Meteorology, Research Science, Resource Management, Surveying, Teaching and Transport.

Course Fees – There are no course fees.

Assessment Information – 23 Credits (16 External) -

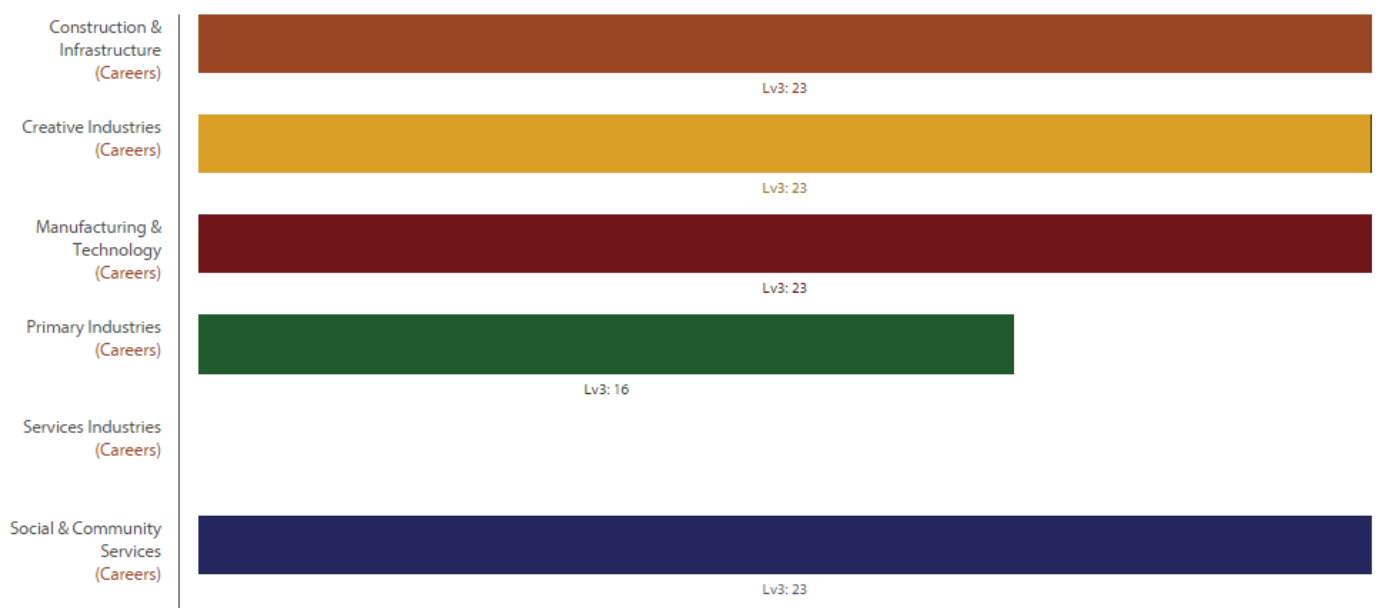
91521 : Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship, Level 3, 4 credits 

91523 : Demonstrate understanding of wave systems, Level 3, 4 credits 

91524 : Demonstrate understanding of mechanical systems, Level 3, 6 credits 

91525 : Demonstrate understanding of Modern Physics, Level 3, 3 credits 

91526 : Demonstrate understanding of electrical systems, Level 3, 6 credits 



Vocational Credits: 23 | Other Credits: 0 | Total: 23
R = Recommended SR = Sector Related

Level Three SPEC

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Purpose – SPEC stands for “Specific Preparation for Employment and Citizenship : Developing the Key Competencies” - To develop the key competencies (from the NZ Curriculum Document) and prepare the students for part time and/or full time employment. .

Pathway – This course leads to readiness for employment.

Recommended Entry – [Level Two SPEC](#) but this course is open to all students.

Course Outline – This course challenges the students to identify their strengths and prove opportunities to demonstrate the Key Competencies through a personal development programme. At Level Three students are worked with in final preparations for entry into the workforce. [Gateway](#) can also sit alongside the SPEC programme and additional unit standards may also be made available where needed

Course Fees – There are no course fees.

Assessment Information – 9 Credits (0 External) -

- 3494: Take notes and write minutes for a formal meeting Level 3 Credits 3
- 1312: Give oral instructions in the workplace Level3 Credits 3
- 1279: Write in plain English Level 3 Credit 3
- Assortment of other Level 3 Unit Standards that students can choose to complete according to their interests and fit in with their Spec Booklets1

Level Three Biology

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Purpose – To expand knowledge and skills in the Biological Sciences.

Pathway – This course leads to tertiary study like [Waikato University](#) or [Auckland University](#) or [BOP Polytechnic](#).

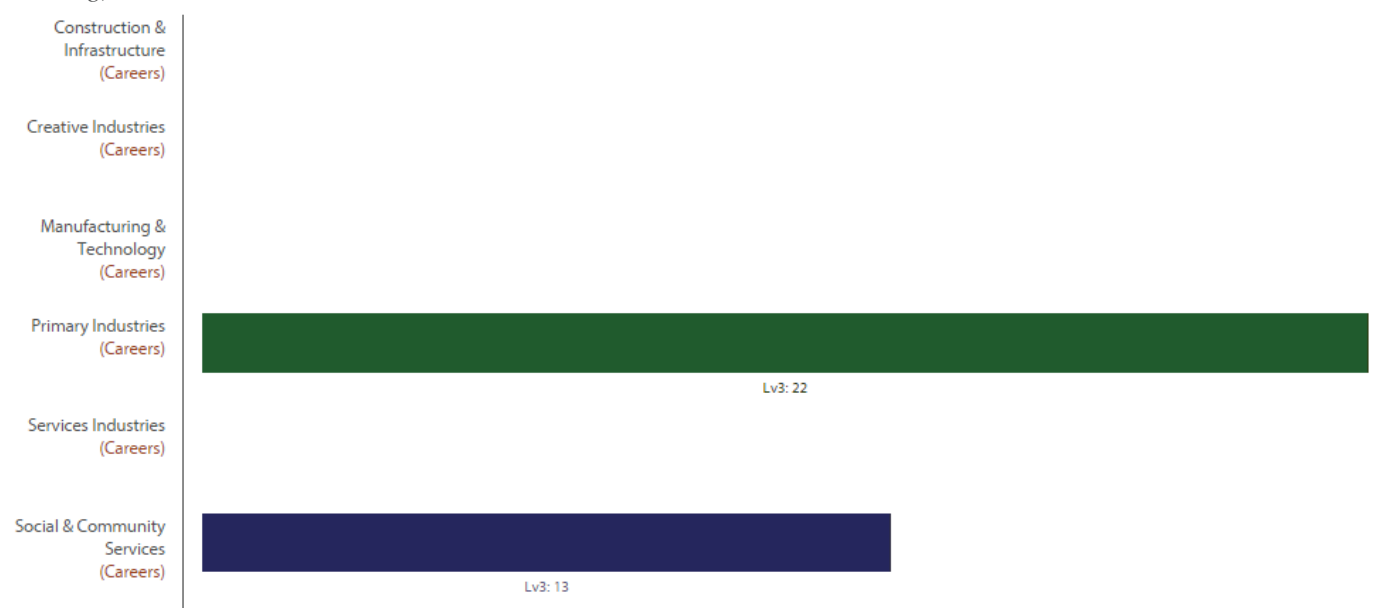
Recommended Entry – [Level Two Biology](#)

Course Outline – Biology is the greatest show on Earth – how could you possibly miss the opportunity to study 'LIFE'. This course covers: modern controversial issues eg stem cells etc; animal and plant relationships to the environment, human evolution (what were our ancestors like and where did I come from); and general evolution. This course prepares you for further studies in the Biology field or just to clarify our place in the natural world.

Course Fees – Course book \$32.30 and Trip to Waikato University \$16.

Assessment Information – 22 Credits (13 External) -

- 91602 : Integrate biological knowledge to develop an informed response to a socio-scientific issue, Level 3, 3 crds ▲▲ (UE Reading and Writing)
- 91603 : Demonstrate understanding of the responses of plants and animals to their external environment, Level 3, 5 crds ▲▲▲ (UE Reading and Writing)
- 91604 : Demonstrate understanding of how an animal maintains a stable internal environment, Level 3, 3 credits ▲▲ (UE Reading)
- 91605 : Demonstrate understanding of evolutionary processes leading to speciation, Level 3, 4 credits ▲▲ (UE Reading and Writing)
- 91606 : Demonstrate understanding of trends in human evolution, Level 3, 4 credits ▲ (UE Reading and Writing)
- 91607 : Demonstrate understanding of human manipulations of genetic transfer & its implications L3,3crds ▲▲ (UE Reading)



Vocational Credits: 22 | Other Credits: 0 | Total: 22
R = Recommended SR = Sector Related

Level Three Mathematics with Statistics [Return To Contents](#)

Purpose – To develop knowledge and skills of Statistical Analysis.

Pathway – Statistics at stage one is the most common paper taken at New Zealand Universities. It is a core component of Bachelors of Science, Business, and Medicine. You can study pure a pure statistics qualification at tertiary level in courses like at [Waikato University](#) or [Auckland University](#).

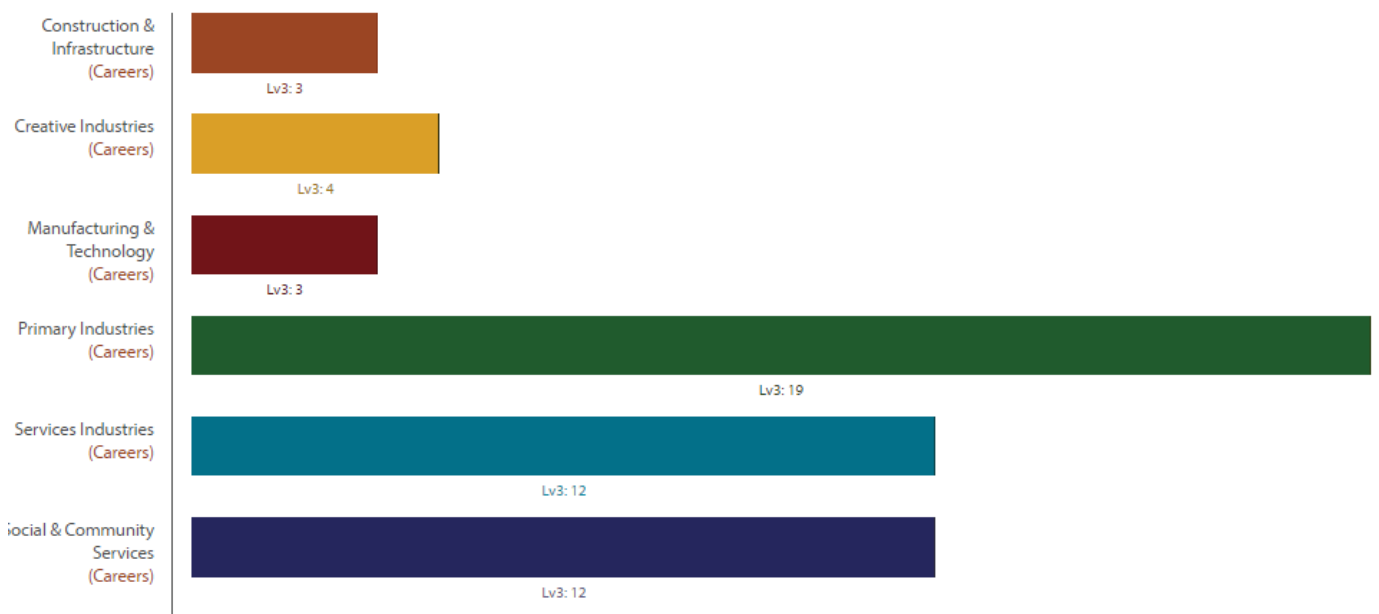
Recommended Entry – [Level Two Mathematics](#) . *This course has a high Literacy element. Students must have good written communication skills and a high reading and understanding ability.*

Course Outline – This course is mostly internally assessed. The only external is Probability Distributions. The internal papers cover Bivariate Data and Formal Inferences and Experiments. Significant time is spent using Excel Spread sheets and new computer software and then writing reports.

Course Fees – Course books \$25 and a calculator (graphical calculator is an advantage).

Assessment Information – 19 Credits Compulsory (4 External) –

- 91574 : Apply linear programming methods in solving problems, Level 3, 3 credits
- 91581 : Investigate bivariate measurement data, Level 3, 4 credits
- 91582 : Use statistical methods to make a formal inference, Level 3, 4 credits
- 91583 : Conduct an experiment to investigate a situation using experimental design principles, Level 3, 4 credits
- 91586 : Apply probability distributions in solving problems, Level 3, 4 credits (*available to some students).



Vocational Credits: 19 | Other Credits: 0 | Total: 19
 R = Recommended SR = Sector Related

Level Three Technology (Product)

Purpose – To design and manufacture a product in response to a design based problem.





Pathway – This course can lead to Tertiary Programmes.

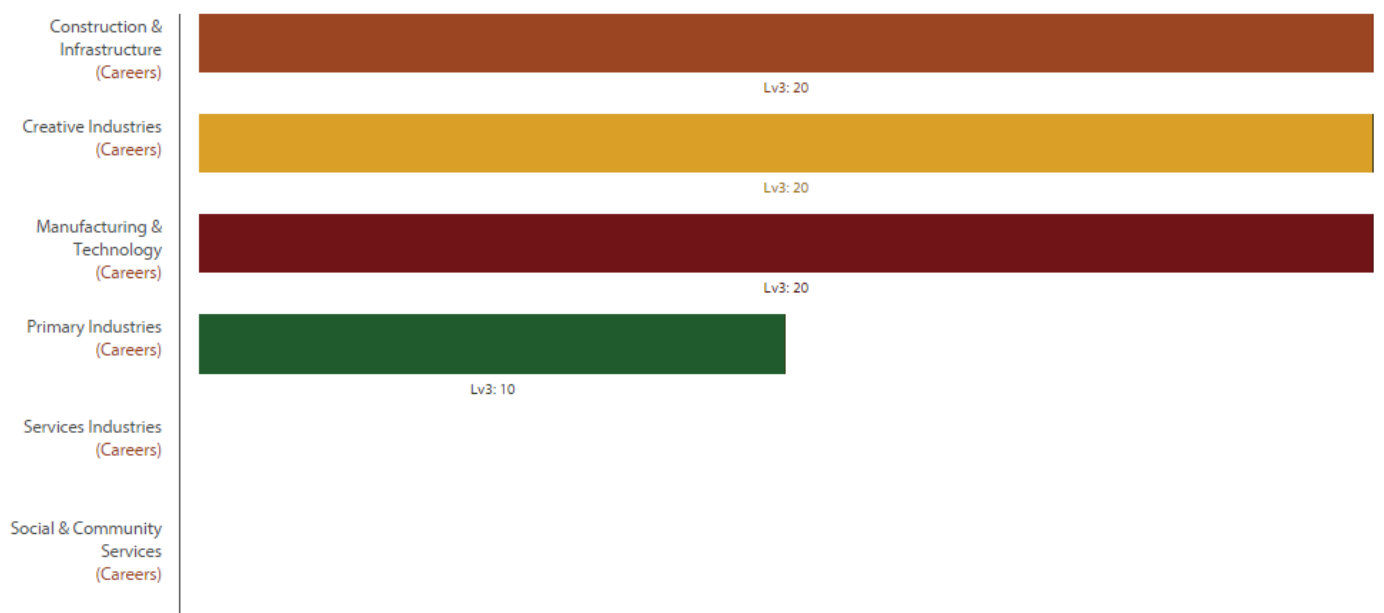
Recommended Entry – [Level Two Product Design](#) with completed Level Two External. Alternative entry can be negotiated with Mr Gerbich.

Course Outline – This course not only requires students to manufacture a specified product but to develop that product to meet the specified needs of the intended user.

Course Fees – \$55 and materials related to projects.

Assessment Information – 20 Credits (4 External) –

- 91608 : Undertake brief development to address an issue within a determined context, Level 3, 4 credits 
- 91610 : Develop a conceptual design considering fitness for purpose in the broadest sense, Level 3, 6 credits 
- 91613 : Demonstrate understanding of material development, Level 3, 4 credits 
- 91620 : Implement complex procedures to integrate parts using resistant materials to make a specified product, Level 3, 6 credits 



Vocational Credits: 20 | Other Credits: 0 | Total: 20
 R = Recommended SR = Sector Related

Level Three Textiles

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Purpose – To build on skills and understanding of technological practise with soft materials.

Pathway – This course leads to tertiary study like [Wintec](#) or [BOP Polytechnic](#).

Recommended Entry – [Level Two Textiles](#).


Course Outline – This course will be tailor made to suit the individuals taking it. It will vary depending on what direction they want to take. An external can be included at the teacher's recommendation.

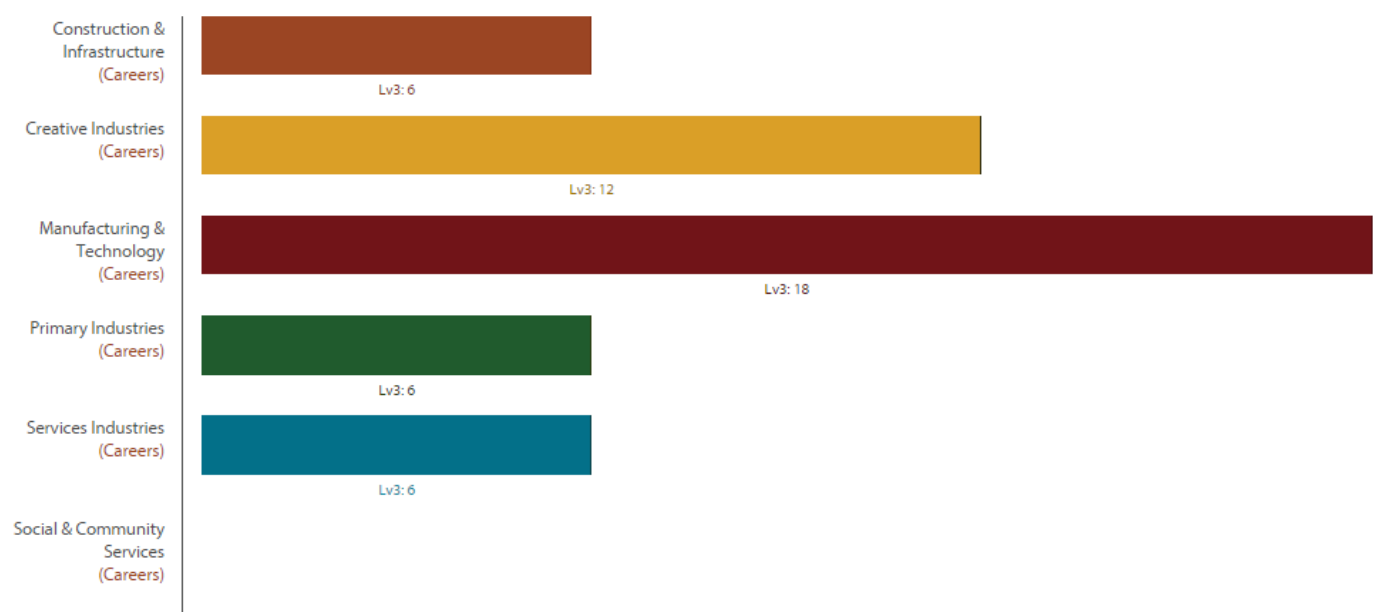
Course Fees – \$45 to cover materials used in class, and you will need to provide materials for your assignment work. Possibility of visiting local Polytech.

Assessment Information – 18 Credits (0 External) -

91621 : Implement complex procedures using textile materials to make a specified product, Level 3, 6 credits 

91626 : Draft a pattern to interpret a design for a garment, Level 3, 6 credits 

91643 : Implement complex procedures to process a specified product, Level 3, 6 credits 



Vocational Credits: 18 | Other Credits: 0 | Total: 18

R = Recommended SR = Sector Related

Level Three Sustainability

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Purpose – To help gain students an understanding of their place in the world and to expose them to an area of interest that is growing in importance in our modern society.

Pathway – This course provides a full endorsed course with possibility to move into a University or Polytechnic Course.

Recommended Entry – There is no requirement but should be prepared to work e independently or in groups.

Course Outline – This course enables students to actively plan and implement projects in the school or local community projects.

Course Fees – No fees, but there will be opportunities for outside school visits.

Assessment Information –19 Credits (0 External) -

90828 : Evaluate a personal action that contributes towards a sustainable future, Level 3, 6 credits



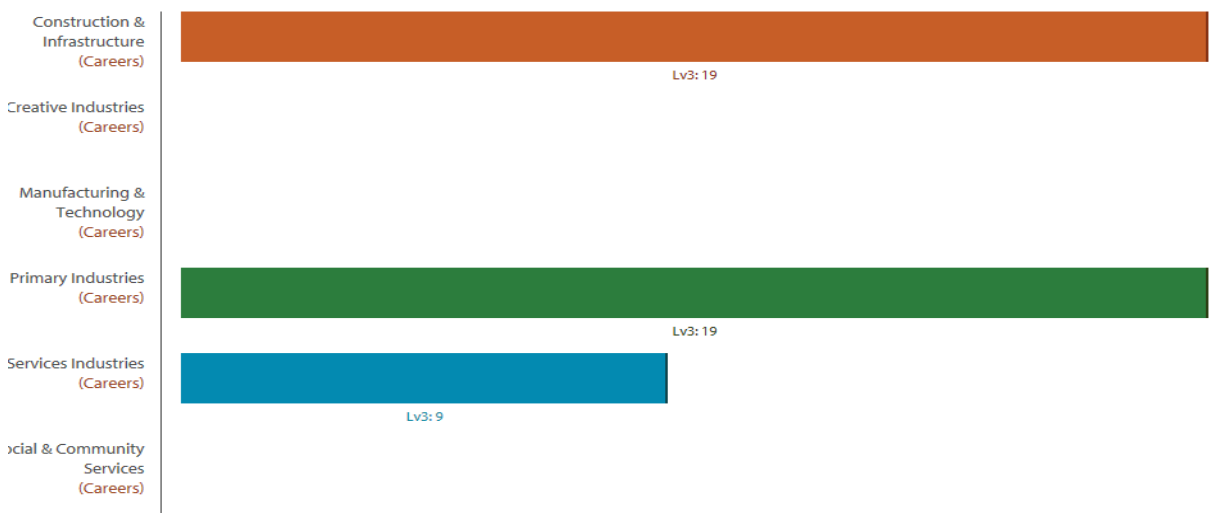
90829 : Investigate the interrelationship between humans and a biophysical environment in relation to a sustainable future, Level 3, 4 credits



90832 : Develop a strategy for an organisation that will contribute to a sustainable future, Level 3, 5 credits



91736 : Analyse how different worldviews, and the values and practices associated with them, impact on sustainability, Level 3, 4 credits



Vocational Credits: 19 | Other Credits: 0 | Total: 19
R = Recommended SR = Sector Related

Level Three Travel and Tourism

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Purpose – To develop knowledge and skills in Travel and Tourism. This course is designed to help students take the first step into careers in travel and tourism industries: aviation, travel, tourism, museums, retail, wholesale and hospitality.

Pathway – This course leads to tertiary study like [NZ School of Tourism](#) or [Wintec](#) or [Waiariki Polytechnic](#).

Recommended Entry – [Level Two Travel and Tourism](#)

Course Outline – This course, based around Unit Standards, aims to deepen students' understanding of the Travel and Tourism Industry. It is designed for students who are serious about a career in the industry and builds from Level Two. The course involves thorough research of different destinations, plus a closer look at how the industry operates. Credits count towards the National Certificate in Travel & Tourism.

Course Fees – Fees for first aid.

Assessment Information – 18 Credits (0 External) -

24725 Unit Describe and analyse the economic significance of tourism 4 Credits

24733 Unit Describe and promote a New Zealand tourist destination 4 Credits

3727 Unit Demonstrate knowledge of Pacific Island countries as visitor destinations 5 Credits

18221 Unit Complete tourism and travel administration tasks and use office equipment 3 Credits