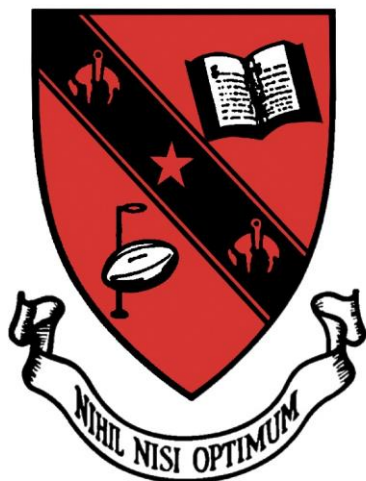


Amuri Area School



Kia Kitea Toikaka
Nothing But The Best

Course Selection Guide 2019

www.amuri.school.nz

Amuri Area School
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Welcome to the Senior School (Years 11-13)

The aim of the Course Selection Guide is to help you plan your course of study for 2019 and beyond. It contains information on subjects being offered at Years 11, 12 and 13. You should read it carefully and keep it for future reference.

With a range of subjects to choose from it is essential you choose your subjects carefully, based on sound advice. It is important you discuss matters you are not sure about with the appropriate staff here at school.

Overall the subjects you study in the Senior School should provide you with a course that is:

- **Suited to your interests and abilities;**
- **Challenging and achievable for you;**
- **Relevant for your career aspirations;**
- **Providing pathways for further study at a higher level (where that is appropriate);**
- **Not a result of peer pressure.**

The best advice is to plan for the long term and to keep your options open by selecting a balanced course. Specialising too early in one curriculum area has the disadvantage that if your career plans change, your course selection may make this difficult.

Before Selecting your Course

- **Course selection is an important process and can determine future pathways – choose what is right for YOU.**
- **Consider interests, abilities, and future aspirations**
- **Read very carefully the subject description and seek advice from subject teachers, careers adviser or other staff**
- **Discuss possible choices with your parents/caregivers – this is important**
- **After careful consideration fill in your course selection on EDGE**

Picking your course

Choose your course carefully and seek input and advice from your family and teachers.

Ability + Interest + Pathway = Subject Choice

- Choose subjects you are good at and enjoy.
- Check whether the career you have in mind has any specific subjects you need to study.
- Choose subjects that offer the level of credits you need to study.
- Check that you have the pre-requisites for the subject at that level.
- Keep your options open if possible.
- Think carefully before dropping a subject you have done for several years.
- It is not advisable to take more than two new subjects each year.
- If you plan to go to university check your subjects are university approved.

Who can help?

Careers, Work Experience, Gateway, Trades	Mrs Mossman
Agriculture	Mrs Mossman/Mrs Beaven
Art/Photography	Ms Judson
Digital Technology	Mr Bain
Hospitality and Food/Gateway	Ms Thomas
Sciences Dr Owens Y de Nova	
English	Mrs Steel
Graphics and Technology	Mr Anink
Social Sciences	Miss Heaps
Mathematics	Mrs Beaven/Mrs Ibbotson
Outdoor Education Mr Cate	
Physical Education Mr Cate	
NetNZ, Distance Learning & Trades	Mrs Mossman
NZQA Liaison Teacher	Mrs Mossman

Distance Learning

Senior students wishing to do other forms of distance learning will be approved on an individual basis depending on the availability of the subject at their school and their previous academic record. The ability to self-manage learning is critical. Approval for distance learning courses must be done in consultation with Mrs Mossman.

How NCEA works

- Each year, students study a number of courses or subjects.
- In each subject, skills and knowledge are assessed against several standards. For example, a Mathematics standard could be: Apply numeric reasoning in solving problems.
- We use a range of internal and external assessments to measure how well students meet these standards
- When a student achieves a standard, they gain a number of credits. Students must achieve a certain number of credits to gain an NCEA certificate.
- There are three levels of NCEA certificate, depending on the difficulty of the standards achieved. In general, students work through levels 1 to 3 in years 11 to 13 at school.
- Students are recognised for high achievement at each level by gaining NCEA with Merit or NCEA with Excellence. High achievement in a course is also recognised.
- Students can gain subject/course endorsements in achievement standard courses. This recognises high achievement within a course or courses.

Information for Year 11 students NCEA Level 1

Number of Subjects:

All students will take six subjects – the following are compulsory

- ☐ English
- ☐ Math
- ☐ Science

Plus, three other subjects of your own choice

Note: To qualify for NCEA Level 1, ten credits from approved standards for literacy skills and ten credits from approved standards for numeracy skills are required. This requirement is provided for in all the above Year 11 courses in English and Mathematics, and there are sometimes opportunities in some other subjects to help fulfil these requirements.

NCEA Level 1	NCEA Level 2	NCEA Level 3
80 Credits from any level (level 1,2,3)	60 Credits at Level 2 or above	60 Credits at Level 3 or above
10 Literacy Credits	+20 Credits from any level (level 1,2,3)	+20 Credits from Level 2 or above
10 Numeracy Credits	Level 1 Literacy met	Level 1 Literacy met
	Level 2 Numeracy met	Level 1 Numeracy met
<p>There are three levels of NCEA certificate, depending on the difficulty of the standards achieved.</p> <p>At each level, students must achieve a certain number of credits to gain an NCEA certificate</p> <p>Credits can be gained over more than a year</p> <p>Credits gained at one Level can be used for (or count towards) more than one certificate.</p>		
Certificate Endorsement	Course Endorsement	University Entrance
Excellence	In one course:	NCEA Level 3
50 credits at Excellence	14 credits or more at Merit or Excellence in the same year	Three subjects at Level 3 made up of:
Merit	At least 3 credits external assessment	14 credits each in 3 approved subjects
50 credits at Merit and/or Excellence	At least 3 credits internal assessment	Literacy – 10 credits at Level 2 or above made up of: 5 credits in reading, 5 in writing.
Credits earned can count towards an endorsement over more than one year and more than one level. However, they must be gained at the level of the certificate or above.	A course endorsement can be awarded even if qualification for that level is not achieved.	Numeracy – 10 credits at Level 1 or above made up of: Achievement standards Unit Standards (26621, 26626, 26627)

University Approved Subjects for 2019:

Accounting Agriculture & Horticulture Biology Business Studies Calculus Chemistry Chinese (Second Language) Classical Studies Construction and Mechanical Technologies Cook Islands Maori Dance Design (Practical Art) Design and Visual Communication Digital Technologies Drama Earth and Space Science Education for Sustainability Economics English French (Second Language)	Japanese (Second Language) Korean Latin Mathematics Media Studies Music Studies Painting (Practical Art) Photography (Practical Art) Physical Education Physics Printmaking (Practical Art) Processing Technologies Religious Studies Samoan Science Statistics Sculpture (Practical Art) Spanish (Second Language) Social Studies Technology	Geography German (Second language) Health Education History History of Art Home Economics Te Reo Rangatira or Te Reo Maori Indonesian
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Vocational Pathways

What are the Vocational Pathways?



The Vocational Pathways provide new ways to achieve NCEA Levels 1, 2 and 3 and develop pathways that progress to further study, training and employment. Achieving NCEA Level 2 is the foundation for success in further education and the world of work. Level 3 builds upon this through shared opportunities across school, tertiary, and industry training. The Vocational Pathways provide a framework for students to show how their learning and achievement is valued in the workplace by aligning learning to the skills needed for industry.

The six Vocational Pathways are:

- [Primary Industries](#)
- [Services Industries](#)
- [Social & Community Services](#)
- [Manufacturing & Technology](#)
- [Construction & Infrastructure](#)
- [Creative Industries](#)

Plan your pathway

The six pathways help you start your continuous journey from learning to earning. Using the Vocational Pathways, you can:

- Identify the pathways that reflect your interests and strengths.
- Identify the skills and competencies valued by employers in the pathways.
- Explore your job or career options.
- Find out which standards employers value - within each pathway.
- Build your own Vocational Profile to plan and help map your achievement.
- Show how you are working towards achieving NCEA Level 2.
- Plan your next steps after NCEA Level 2.

<https://amuriareaschool.sharepoint.com/sites/schoolstaff/Shared Documents/Senior Course Handbook/2019/Course Handbook/Course Handbook 2019.docx>

- Plan your next steps beyond school.

Using the Vocational Pathways

At school

Your journey starts when you begin exploring how your interests and strengths lead you to work and study in areas you enjoy and are good at.

You can ask your parents, whānau, teachers, or careers adviser for support in planning your personal vocational pathway. Using the [Profile Builder](#) will help you see links between the subjects and courses you are taking, achieving an NCEA Level 2 or equivalent qualification, and your pathway direction.

While you are studying for NCEA at Level 2 and Level 3 you can explore several pathways, or study towards one pathway you are keen on. Your teachers and careers advisors can arrange work experiences in these pathways that help you make links between an employment direction and further study or industry training.

At home

The [Profile Builder](#) is a clever tool that helps you to explore your study options and plan your programme. When you have input the achievement or unit standards you are currently doing or might like to do, your parents, whānau, family and aiga can see where you're heading and help you think about where you would like to go.

Your [Vocational Profile](#), viewed on your NZQA Record of Achievement, is your map or plan.

This shows:

- The standards you have achieved.
- The progress and achievement you are making in your learning, and where your strengths, interests, or abilities are being put to use.
- The direction of your vocational pathway.



What is Net NZ?

Net NZ is a cluster of nineteen Secondary and Area schools in the greater Canterbury, Otago and Southland regions that engages in eLearning to better meet the needs of students and teachers. Net NZ is a member of the Virtual Learning Network (VLN) which connects the eLearning clusters and enables the delivery of a range of online courses using a range of technologies.

How does it work?

Each of our schools offers a course, a teacher and an e-Dean that then allows them to enrol students in courses offered by schools across the Virtual Learning Network (NZ).

Generally, a course consists of 8-12 students who are taught by an e-Teacher (who will be from a participating school) using an approach that blends face to face style video conference tutorials with a mix of online and paper based learning. You would typically find a course consists of students from 5-7 different schools throughout the country. Much of the learning will be accessed through an online space where students can receive work, download assignments, and interact with the teacher and other students.

The role of the e-Dean in a school is to support the students and provide an important line of communication between teacher and students. This means students are not just left on their own to cope if they are having difficulties

The NetNZ commitment

- All courses will be aligned with the New Zealand curriculum and NZQA requirements
 - All schools will provide an onsite support person (e-Dean) for students
 - All courses will be taught by a qualified and registered teacher from a school in NZ
- All courses will provide engaging, flexible and personalised learning suited to a range of learning styles, using digital tools and resources blended with video conference tutorials

Why take an online course?

- If the course / subject you want to take is not available in your own school
- If the subject you want to take clashes with another timetabled class

What students need to consider

Learning online often requires a change in thinking from students who are used to a structured lesson by lesson day. You will need to be willing to learn how to manage your own time effectively and to direct your learning more than in a traditional classroom. With this comes a lot more flexibility, especially if you are taking more than one online course (some students have up to three), but also more responsibility for your learning. Students need to be able to take the initiative and ask the teacher, the e-Dean and other students for help when they need it. Learning online does not mean the absence of the teacher. In fact, because of the small number of students in a course, e-Teachers can often provide more feedback than in a traditional classroom, but this feedback is usually not instant. **Your own laptop is necessary and a Gmail address.**

Net NZ Courses in 2019

These are subject to change depending on teacher availability and demand

NetNZ Programmes of Learning 2019

NetNZ course details are available at <http://netnz.org/>

NetNZ is an organisation of 54 secondary and area schools mainly South Island schools that provide online learning opportunities to better meet the needs of students and teachers. These online courses that are available to students across the country.

Unless indicated all relevant NCEA levels are available

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Science	Languages	Technology	Social Science
Biology - L2, L3	Te Reo Maori	Computer Science - L3	Philosophy
Chemistry - L2, L3	Chinese/Chinese Studies	Digital Technologies - L1, L2	Classical Studies - L2, L3
Physics - L2, L3	Japanese/Japanese Studies	Design and Visual Communication	Geography
Electronics & Electrical Engineering - L2	Korean/Korean Studies	Robotics - L1	History
Agricultural & Horticultural Science - L2,L3	French	Web Design - L3	Media Studies - L2 & L3
Agriculture (Telford) - L2, L3	German - Beginners, L1, L2, L3	The Arts	Psychology L2 - tbc
Equine Studies (Telford) - L2/3	Samoan - L1, L2, L3	Art History - L2, L3	Social Studies - L3
Maths	Spanish - Beginners, L1, L2, L3	Photography - L2, L3	Accounting
Calculus - L3	Tongan - Beginner, L1-3	Drama - L1 & 2	Business Studies - L2
Statistics -L3	Health and Physical Education	Maori Performing Arts - L1	Economics
Mathematics - L3	Physical Education - L2, L3	Performance Music	

Senior Course Guide – Summary of Subjects 2019

This is a summary guide of the subjects on offer in 2018. Full course details can be found in the Senior Course Guide online. Students select courses in the student portal on EDGE.

Before you finalise your choice you must:

- **Read the course description carefully**
- Discuss the course you have chosen with the teacher/s concerned
- See Mrs Mossman to discuss availability of subjects not taught at school e.g. Net NZ online, Trades Academy and distance learning
- Seek advice that course you have chosen is realistic and right for you
- Be aware that some courses require previous level study
- Talk through your options with your parents
- Understand that on-line courses **require** a student to have their own laptop and a Gmail account.

Year 11	Compulsory	Taught at school	Net NZ (on-line)	*Trades Academy
All subjects are at Level 1 All students must take 6 subjects	English Mathematics Science	Geography/Social Sciences PE Digital Technologies Technology Art Cookery/Hospitality Carpentry	Economics Accounting History Languages (<i>require previous Year 10 study</i>) <i>See Mrs Mossman for courses available</i>	The full range of courses is available from Mrs Mossman (<i>These courses are on a Friday at the ARA Institute in CHCH – students and parents are required to attend an interview at ARA</i>)

Year 12	Taught at School	Net NZ (on-line)	Other
All subjects are at Level 2 Highlighted subjects are approved for University Entrance All students take 5 or 6 subjects.	English- <i>recommended and compulsory for University Entrance</i> Mathematics - <i>recommended</i> Biology Chemistry Physics Geography Digital Technology Photography Art & Design	(<i>Previous study may be required for some Level 2 courses</i>) Accounting Economics Art History Media Studies Languages <i>See Mrs Mossman for courses available</i>	Tourism (Distance) Gateway – (<i>limited spaces - selected in consultation with Gateway Co-ordinator Ms Thomas or Mrs Mossman</i>) *Trades Academy (Christchurch) Selected Trades – 1day courses Selected Trades – 2 day courses See Mrs Mossman for details

Some students may be required to repeat Level 1 courses.	Classical Studies Carpentry/Furniture making Outdoor Education (<i>interview required</i>) Independent Living Rural Skills (<i>interview required</i>)		(Students enrolling for the first time will be required to attend an interview with their parent/s)
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Year 13	Taught at School (subject to numbers)	Net NZ (on-line)	Other
All subjects are at Level 3 All students are required to take 5 subjects – this may include some Level 2 courses Highlighted subjects are approved for University Entrance	Agricultural/Horticultural Science English Statistics Calculus Biology Chemistry Geography Classical Studies P.E. Painting & Design Photography Physics Digital Technology Outdoor Education (<i>interview required</i>) Carpentry Rural Skills Independent Living	(Previous study may be required for some Level 3 courses) Economics Languages Art History Media Studies <i>See Mrs Mossman for courses available</i>	*Trades Academy– see Mrs Mossman Tourism (Distance) Gateway – (<i>limited spaces - selected in consultation with Gateway Co-ordinator Ms Thomas or Mrs Mossman</i>)

*Delivered by ARA Institute in CHCH – transport provided for FRIDAY courses .7.15am departure from school – return 4.50pm approx

Agricultural/Horticultural Business Studies

Level 1

Pre-requisites: None

Course Description: (500 characters maximum)

This course introduces students to agriculture, horticulture and economics in these industries. The emphasis is on internally assessed standards, with some flexibility about which standards will be chosen. Students who enjoy this mix of subjects could continue from this course to the newly-developed NCEA Level 2 and Level 3 Agribusiness courses, to prepare for further study, qualifications and / or work in industry or in tertiary institutions.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 16 - 21

Literacy Credits: 17

Numeracy Credits: 4

Reading Credits towards University Entrance: nil

Writing Credits towards University Entrance: nil

Course Endorsement Possible: Yes

Course Contribution (monetary or items needed for course): \$60.00

Next Step: Level 2 Agribusiness, Biology, Chemistry and / or Physics

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
90157	1	Demonstrate practical skills used in agricultural or horticultural production A	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
90918	1	Carry out a practical agricultural or horticultural investigation AHE	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
90919	1	Demonstrate knowledge of soil management practices AH	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90922	1	Design a landscape plan that reflects user requirements H	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
90923	1	Demonstrate knowledge of basic plant propagation techniques H	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90983	1	Demonstrate understanding of consumer choices, using scarcity and/or demand E	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90984	1	Demonstrate understanding of decisions a producer makes about production AHE	5	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Possible Choices: A AgriBusiness (17 cr) H HortBusiness (20 cr) E Business (16-17 cr)

Agricultural/Horticultural Science Level 3

Pre-requisites: Teacher discretion

Course Description: (500 characters maximum)

Agricultural/horticultural science adopts a practical, production focussed approach involving students in problem solving, and understanding and use of appropriate management practices. The programme is based around realistic and practical contexts. Students will explore ag/hort issues and communicate their ideas to others. These contexts and issues include: Products e.g. Lamb, pork, milk, apples, wool
Environments e.g. waterways, erosion, pollution, sustainable management practices. Solutions for management issues e.g. irrigation, cropping, harvesting and milking equipment, cultivation technologies, information and digital technologies.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 24

Literacy Credits: 14

Numeracy Credits: 10 internal and 5 external numeracy credits available

Reading Credits towards University Entrance: 14 external credits

Writing Credits towards University Entrance: 14 external

Course Endorsement Possible: Yes

Course Contribution (monetary or items needed for course): TBA

Next Step: Tertiary studies in Ag/Hort or Science

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
AS91258	Click or tap here to enter text.	Carry out an investigation into an aspect of a New Zealand primary product or its production	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91259	Click or tap here to enter text.	Research and report on the impact of factors on the profitability of a New Zealand primary product	6	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91530	Click or tap here to enter text.	Demonstrate understanding of how market forces affect supply and demand for New Zealand primary product	5	External	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AS91531	Click or tap here to enter text.	Demonstrate understanding of how the production process meets market requirements for a New Zealand primary product	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AS91532	Click or tap here to enter text.	Analyse a New Zealand primary production environmental issue	5	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Art – Paint Level 1

Pre-requisites: Open

Course Description: (500 characters maximum)

The Level 1 course aims to provide students with a broad experience in a range of art fields; drawing, painting, printmaking, design and photography. Students will work through the creative process in their practical work based on established art practice. Students are encouraged to explore, analyse, reflect and develop ideas based on their personal response to a given broad context. Finishing off tasks outside the class regularly will be essential.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 22 with additional optional 4

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): A3 Visual Diary, access to a digital camera preferred but not compulsory. Students' own paints, pencils, brushes and art wallet will be required Adobe Creative Cloud Suite licenses maybe available for uploading onto personal laptops.

Next Step: Yr 12: Design, Paint, Photography, Print

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
90914	3	1.2 Use drawing methods and skills for recording information using wet and dry media	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
90915	2	1.3 Use drawing conventions to develop work in more than one field of practice	6	Internal	<input type="checkbox"/>	<input type="checkbox"/>
90916	3	1.4 Produce a body of work informed by established practice, which develops ideas, using a range of media	12	External	<input type="checkbox"/>	<input type="checkbox"/>
90917	3	1.5 Produce a finished work that demonstrates skills appropriate to cultural conventions [moving image] optional	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>

Art Design Level 2

Pre-requisites: Year 11 Art or prior approval with HELA

Course Description: *(500 characters maximum)*

This course is the world of Design Marketing looking at branding through typography [fonts and lettering], logo, composition layouts, postcards, billboards and brochures. The other aspect of design can be Digital Illustration but will need prior approval from the HELA to pursue. Out of class time to complete tasks is an absolute requirement.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 20

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution *(monetary or items needed for course):* A personal laptop and School Adobe Creative Cloud License is advised but optional as Studio computers have Adobe Creative Cloud. EOTC trips to Yoobee for an Introduction to Illustrator Course and Top Art Folios will included.

Next Step: Yr 13 Design

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91310	2	Use drawing methods to apply knowledge of conventions appropriate to design	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91315	2	Develop ideas in a related series of drawings appropriate to established design practice	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91320	2	Produce a systematic body of work that shows understanding of art making conventions and ideas within design	12	External	<input type="checkbox"/>	<input type="checkbox"/>

Art - Paint Level 2

Pre-requisites: Level 1 Art or prior approval from HELA

Course Description: *(500 characters maximum)*

The Level 2 course builds on skills gained in the Level One course and aims to provide students with a deeper experience and more comprehensive understanding of using Paint [acrylic and watercolour]. Also,
<https://amuriareaschool.sharepoint.com/sites/schoolstaff/Shared Documents/Senior Course Handbook/2019/Course Handbook/Course Handbook 2019.docx>

students will be widening their artist model influences. Out of class time to complete tasks is an absolute requirement.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 20

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): A3 Visual Diary, Students' own paints, pencils, brushes and art wallet will be required. Students will go on an EOTC trip to see NZ Top Art

Next Step: Yr 13 Paint

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91311	2	2.2 Use drawing methods to apply knowledge of conventions appropriate to painting	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91316	2	2.3 Develop ideas in a related series of drawings appropriate to established painting practice	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91321	2	2.4 Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	12	External	<input type="checkbox"/>	<input type="checkbox"/>

Art Printmaking Level 2

Pre-requisites: Year 11 Art or prior approval from HELA

Course Description: (*500 characters maximum*)

This course of study aims to develop an understanding of printmaking procedures and practices which underlie the printmaking discipline. Students undertaking this course will use research and investigative procedures based on established printmaking practice. Students will explore a variety of printmaking; lino, dry point etching, solar, pronto, screen

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 20

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): A3 Visual Diary, Students' own lino and etching tools, pencils, and art wallet will be required. Students will go on an EOTC trip to see NZ Top Art

Next Step: Year 13 Printmaking

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91313	2	2.2 Use drawing methods to apply knowledge of conventions appropriate to printmaking	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91318	2	2.3. Develop ideas in a related series of drawings appropriate to established printmaking practice	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91323	2	2.4 Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	12	Internal	<input type="checkbox"/>	<input type="checkbox"/>

Art Photography Level 2

Pre-requisites: Open

Course Description: (*500 characters maximum*)

The Level 2 course builds on skills gained in the Level One course and aims to provide students with a more comprehensive look at how to use the camera in manual mode and specific photography conventions. Post production using Photoshop will be an element of this course This course will require out of class time to complete photo shoots and post production.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 20 with additional optional 4

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): A3 Visual Diary, a SD card. Digital camera and laptop is optional. Adobe Creative Cloud Suite licenses maybe available for uploading onto personal laptops. Yoobee's Introduction to Photoshop and NZ Top Art Folios will be EOTC trips

Next Step: Year 13 Photography

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91312	V2	2.2 Use drawing methods to apply knowledge of conventions appropriate to photography	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91317	V2	2.3 Develop ideas in a related series of drawings appropriate to established photography practice	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91322	V2	2.4 Produce a systematic body of work that shows understanding of art making conventions and ideas within design	12	External	<input type="checkbox"/>	<input type="checkbox"/>
91325	V2	2.5 Produce a resolved work that demonstrates control of skills appropriate to cultural conventions [moving image]	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>

Art – Paint Level 3

Pre-requisites: Level 2 Paint or prior approval from HELA

Course Description: (*500 characters maximum*)

Building upon the Year 12 Paint, this course extends students' motivation and management to develop a 3 board Body of Work which requires a high level of initiative using research and investigative procedures based on artist models. Painting styles will be explored and extended. Out of class time to complete tasks is an absolute requirement.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 22

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): A3 Visual Diary, Students' own paints, pencils, brushes and art wallet will be required. NZ Top Art Folios will be an EOTC trip

Next Step: Click or tap here to enter text.

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91446	2	3.2 Using drawing to develop understanding of conventions appropriate to painting	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91451	2	3.3 Systematically clarify ideas using drawing informed by established photography practice	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91456	2	3.4 Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice	14	External	<input type="checkbox"/>	<input type="checkbox"/>

Art Design Level 3

Pre-requisites: Year 12 Design or Prior approval with HELA

Course Description: *(500 characters maximum)*

Design Marketing using some of these areas; Branding, Advertising, marketing and promotions in print, web, apps, television & film, Packaging, Product design, Character Illustration. Out of class time to complete tasks is an absolute requirement.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 22

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution *(monetary or items needed for course):* A personal laptop and School Adobe Creative Cloud License is advised but optional as Studio computers have this. NZ Top Art Folios will be an EOTC trip.

Next Step: Click or tap here to enter text.

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91445	2	3.2 Using drawing to develop understanding of conventions appropriate to design	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91450	2	3.3 Systematically clarify ideas using drawing informed by established design practise	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>

91455	2	3.4 Produce a systematic body of work that integrates conventions and regenerates ideas within design practice	14	External	<input type="checkbox"/>	<input type="checkbox"/>
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Art Photography Level 3

Pre-requisites: Level 2 Photography or prior approval from HELA

Course Description: *(500 characters maximum)*

Building upon the Year 12 Photography, this course extends students' motivation and management to develop a 3 board Body of Work which requires a high level of initiative using research and investigative procedures based on artist models. The ability to use Photoshop post production will be a requirement. Student independence and time management in organising photoshoots and props will be essential. Out of class time to complete tasks is an absolute requirement.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 22 with additional optional 4

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): A3 Visual Diary, a SD card. Digital camera and laptop are optional. Adobe Creative Cloud Suite licenses maybe available for uploading onto personal laptops. NZ Top Art Folios will be an EOTC trip

Next Step: Click or tap here to enter text.

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91447	V2	3.2 Using drawing to develop understanding of conventions appropriate to photography	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91452	V2	3.3 Systematically clarify ideas using drawing informed by established photography practice	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91457	V2	3.4 Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice	14	External	<input type="checkbox"/>	<input type="checkbox"/>
91460	V2	3.5 Optional: Produce a resolved work that demonstrates purposeful control of skills appropriate to a visual arts cultural context [moving image]	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>

<https://amuriareaschool.sharepoint.com/sites/schoolstaff/Shared Documents/Senior Course Handbook/2019/Course Handbook/Course Handbook 2019.docx>

Biology Level 2

Pre-requisites: 11 Science or 11 AgHort Business

Course Description: (500 characters maximum)

Level 2 Biology includes in-depth studies of ecosystems and biodiversity. Cell biology and genetic processes are covered from a microscopic perspective. The course fosters practical engagement in Biology through data gathering (field and laboratory), interpretation and analysis, reflecting the nature of science with a respect for evidence. The course will be assessed by Achievement Standards with 8-11 internal and 8-12 external credits (depending on choice of optional standards). Each student will enter a maximum 20 credits, with advice on the best combination for them.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 19-20

Literacy Credits: 16

Numeracy Credits: 4

Reading Credits towards University Entrance: nil

Writing Credits towards University Entrance: nil

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): \$80.00

Next Step: Level 3 Agribusiness, Biology and / or Chemistry

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91158	2	Investigate a pattern in an ecological community, with supervision	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91153	2	Carry out a practical investigation in a biological context, with supervision	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91156	2	Demonstrate understanding of life processes at the cellular level	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91159	2	Demonstrate understanding of gene expression	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91157	2	Demonstrate understanding of gene expression	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91160	2	Investigate biological material at the microscopic level	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>

Biology Level 3

Pre-requisites: 12 Agribusiness, 12 Biology and / or 12 Chemistry

Course Description: (500 characters maximum)

Level 3 Biology includes in-depth studies of animal and plant responses to the environment. The course fosters practical engagement in Biology through observations in the field, data gathering, interpretation and analysis, reflecting the nature of science with a respect for evidence. Biochemical processes and evolutionary trends are covered from a dynamic and historical perspective. Students use acquired biological knowledge to respond personally to a socio-scientific issue. The course will be assessed as Achievement Standards with 10 internal credits and 9 external credits.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 19

Literacy Credits: 19

Numeracy Credits: 4

Reading Credits towards University Entrance: 15

Writing Credits towards University Entrance: 12

Course Endorsement Possible: Yes

Course Contribution (monetary or items needed for course): \$80.00

Next Step: Tertiary studies in biology, chemistry, health, medicine, veterinary science, ecology

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91603	2	Demonstrate understanding of the responses of plants and animals to their external environment UE R&W	5	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91601	2	Carry out a practical investigation in a biological context, with guidance	4	Internal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
91604	2	Demonstrate understanding of how an animal maintains a stable internal environment UE R	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91606	2	Demonstrate understanding of trends in human evolution UE R&W	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91602	2	Integrate biological knowledge to develop an informed response to a socio-scientific issue UE R&W	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Carpentry Level 1

Pre-requisites: None

Course Description: (500 characters maximum)

This is a practical hand on class giving students an understanding of the basic carpentry skills. These include accurate measuring and marking out, use of hand tools, use of power tools, safety and use of materials used in building. Projects include saw stool, outdoor furniture, concrete and any suitable construction projects. Students may go away from school to complete construction projects.

Assessment Method: Unit Standards

Internal/External/Both: Internal

Credits: 18 plus credits

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: No

Course Contribution (monetary or items needed for course): **\$20.00 course fee plus materials cost for individual projects**

Next Step: Level 2 Furniture

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
24352	2	Demonstrate knowledge of and apply safe working practices in the construction of a BCATS project.	2	Internal	<input type="checkbox"/>	<input type="checkbox"/>
25920	2	Use joints for a BCATS project.	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
12932	2	Construct timber garden furniture and items of basic construction equipment as a BCATS project.	8	Internal	<input type="checkbox"/>	<input type="checkbox"/>
24356	2	Apply elementary workshop procedures and processes for a BCATS project.	8	Internal	<input type="checkbox"/>	<input type="checkbox"/>
12933	2	Complete minor concrete works as a BCATS project.	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
24355	2	Demonstrate knowledge of construction and manufacturing materials used in BCATS projects.	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>

Carpentry/Furniture Making Level 2

Pre-requisites: None

Course Description: (500 characters maximum)

This is a practical hand on class giving students skills with basic furniture design, accurate and safe use of hand tools, power tools and fixed machinery. Identify a variety of timbers and manufactured materials. Timber finishes. Quality of projects is essential.

Assessment Method: Unit Standards

Internal/External/Both: Internal

Credits: 18 plus credits

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: No

Course Contribution (monetary or items needed for course): **\$20.00 course fee plus materials cost for individual projects**

Next Step: Level 3 Furniture

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
14995	3	Construct free hand drawings for use in Furniture	2	Internal	<input type="checkbox"/>	<input type="checkbox"/>
18918	2	Construct a Furniture carcass.	6	Internal	<input type="checkbox"/>	<input type="checkbox"/>
18917	2	Construct hand joints for furniture	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
25550	1	Operate a straight cutting saw to cut square profiled furniture components.	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
1293324351	3	Demonstrate knowledge of and use specified fixed machinery in the construction of BCATS projects	6	Internal	<input type="checkbox"/>	<input type="checkbox"/>

Furniture Making Level 3

Pre-requisites: None

Course Description: (500 characters maximum)

This is a practical hand on class giving students skills with furniture design, accurate and safe use of hand tools, power tools and fixed machinery. Identify a variety of timbers and manufactured materials. Timber finishes. Quality of projects is essential. Students will design and make their own projects.

Assessment Method: Unit Standards

Internal/External/Both: Internal

Credits: 12 plus credits

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: No

Course Contribution (*monetary or items needed for course*): **\$20.00 course fee plus materials cost for individual projects**

Next Step: Level 3 Furniture

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
14996	3	Construct working drawings for furniture making.	5	Internal	<input type="checkbox"/>	<input type="checkbox"/>
25557	2	Assemble and fit traditional draws to a cabinet using wooden runners.	2	Internal	<input type="checkbox"/>	<input type="checkbox"/>
18917	2	Construct hand joints for furniture	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
9792	4	Operate dovetailing machine to dovetail wooden draws.	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>

Classical Studies Level 2

Course Description: (*500 characters maximum*)

Many features of modern society have their origins in the ancient world. The influence of Greece and Rome on our history, art, political institutions and thinking has been immense while the forms and themes of much western literature have been heavily influenced by the work and thinking of the classical writers. This course provides for the study of ancient Greek and Roman civilisations through topics from the history, art and literature of Greece.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 16

Literacy Credits: 16

Numeracy Credits: 0

Reading Credits towards University Entrance: 16

Writing Credits towards University Entrance: 8

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): **Field trip and course materials \$25**

<https://amuriareaschool.sharepoint.com/sites/schoolstaff/Shared Documents/Senior Course Handbook/2019/Course Handbook/Course Handbook 2019.docx>

Next Step: Level 3 Classical Studies

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91200	Click or tap here to enter text.	Examine ideas and values of the classical world.	4	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91201	Click or tap here to enter text.	Examine the significance of features of work(s) of art in the classical world.	4	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91202	Click or tap here to enter text.	Demonstrate understanding of a significant event in the classical world.	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91204	Click or tap here to enter text.	Demonstrate understanding of the relationship between aspects of the classical world and aspects of other cultures.	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Classical Studies Level 3

Course Description: *(500 characters maximum)*

Many features of modern society have their origins in the ancient world. The influence of Greece and Rome on our history, art, political institutions and thinking has been immense while the forms and themes of much western literature have been heavily influenced by the work and thinking of the classical writers. This course provides for the study of ancient Greek and Roman civilisations through topics from the history, art and literature of Greece.

Assessment Method: Achievement Standards**Internal/External/Both:** Both**Credits:** 16**Literacy Credits:** 16**Numeracy Credits:** 0**Reading Credits towards University Entrance:** 16**Writing Credits towards University Entrance:** 8**Course Endorsement Possible:** Yes**Course Contribution** *(monetary or items needed for course):* Field trip and course materials \$25**Next Step:** University Study

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91394	Click or tap here to enter text.	Analyse ideas and values of the classical world.	4	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91395	Click or tap here to enter text.	Analyse the significance of a work(s) of art in the classical world.	4	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91397	Click or tap here to enter text.	Demonstrate understanding of a significant ideology(ies) in the classical world.	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91398	Click or tap here to enter text.	Demonstrate understanding of the lasting influences of the classical world on other cultures across time.	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Chemistry Level 2

Pre-requisites: 11 Science or 11 AgHort Business

Course Description: (500 characters maximum)

Level 2 Chemistry fosters engagement in Chemistry through data gathering, interpretation and analysis, reflecting the nature of science with a respect for evidence, and building on capabilities from previous science courses. Identifying and quantifying chemicals are learned in the laboratory and are internally assessed. External standards develop understanding of bonding, energy, and organic chemistry. The course offers Achievement Standards: 10 internal and 13 external credits. Each student will enter a maximum of 20 credits after advice on the best combination for them.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: maximum of 20

Literacy Credits: 13

Numeracy Credits: 4

Reading Credits towards University Entrance: nil

Writing Credits towards University Entrance: nil

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): \$30 and a scientific calculator

Next Step: Level 3 Agribusiness, Biology, Chemistry and / or Physics

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
AS 91162	2	Carry out procedures to identify ions present in solution	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS 91164	2	Demonstrate understanding of bonding, structure, properties and energy changes	5	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AS 91161	2	Carry out quantitative analysis	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS 91165	2	Demonstrate understanding of the properties of selected organic compounds	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AS 91167	2	Demonstrate understanding of oxidation-reduction	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS 91166	2	Demonstrate understanding of chemical reactivity	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Chemistry Level 3

Pre-requisites: 12 Chemistry, 12 Mathematics, 12 Biology and/or 12 Physics

Course Description: (500 characters maximum)

This course includes thermo and organic chemistry. It fosters engagement in Chemistry through data gathering, interpretation and analysis, reflecting the nature of science with a respect for evidence. The course builds on capabilities developed in previous science courses. Evidence of redox reactions, comparison of spectroscopic data and discussion of chemical processes in use today are assessed internally. The course offers Achievement Standards: 9 internal credits and 10 external credits. Each student will enter a maximum of 19 credits after advice on the best combination for them.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 19

Literacy Credits: 16

Numeracy Credits: nil

Reading Credits towards University Entrance: 3

Writing Credits towards University Entrance: 3

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): \$30 and a scientific calculator

Next Step: Tertiary studies in chemistry, biology, health, medicine, veterinary science, ecology

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
AS 91390	2	Demonstrate understanding of thermochemical principles and the properties of particles and substances	5	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AS 91388	2	Demonstrate understanding of spectroscopic data in chemistry	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS 91393	2	Demonstrate understanding of oxidation-reduction processes	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>

AS 91391	2	Demonstrate understanding of the properties of organic compounds	5	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AS 91389	2	Demonstrate understanding of chemical processes in the world around us UE R&W	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Creative Cookery Level 1

Course Description:

The course develops cookery skills and nutritional knowledge. It introduces students to the terms and routines of the hospitality industry but with a strong focus on family meals. It allows students to become creative and explore food recipes from around the world. They will also investigate the marketing of processed food and its nutritional content.

Assessment Method: Level 1 Unit and Level 1 Achievement Standards.

Credits: Approximately 20. Literacy Credits offered: 5.

Course Contribution: Approximately \$60 to cover food costs.

Next Steps: Level 2 Creative Cookery leading towards University Entrance.

Creative Cookery Level 2

Pre-requisites: Level 1 Creative Cookery is a requirement.

Course Description:

This course will develop student's skills in preparing and presenting food to meet hospitality industry standards. It is designed as a foundation course for any person who may be considering a career in the hospitality sector. It also offers achievement standards to support students who have an interest in food and health and who are following an academic pathway.

Assessment Method: Achievement Standards.

Credits: Approximately 18.

Course Contribution: Approximately \$60 to cover food.

Next Steps: Gateway in Hospitality at Level 3; Tertiary study; employment in the Hospitality Industry, Level 3 Creative Cookery leading to University Entrance.

Digital Technology Level 1

Pre-requisites: Year 9DTC and/or 10DTC an advantage. Personal lap-top strongly recommended but not essential (8Gb RAM strongly recommended, any model but 14-inch screen best); one good headset/earphones.

Course Description:

This course aims to build upon the skills and knowledge learned in the junior school with an emphasis on STEM and Hard Materials projects of all kinds in keeping with the new direction of the NCEA curriculum at Level 1. E-textiles and electronic projects will be offered for the first time in 2019.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 17

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution: \$20, personal 8Gb, 14" lap-top a huge advantage

Next Step: Digital Technology Level 2

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
US18743	5	Produce a spreadsheet from instructions using supplied data	2	Internal	<input type="checkbox"/>	<input type="checkbox"/>
US18739	5	Create and use simple command sequences in a computer language	2	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91069	4	Promote an organised body of design work to an audience using visual communication techniques	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91047	3	Undertake development to make a Prototype to address a brief	6	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91074	3	Demonstrate understanding of basic concepts from Computer Science	3	External	<input type="checkbox"/>	<input type="checkbox"/>

Digital Technology Level 2

Pre-requisites: Year 11DTC an advantage. Personal lap-top strongly recommended but not essential (8Gb RAM strongly recommended, any model but 14-inch screen best); one good headset/earphones.

Course Description:

This course aims to build upon the skills and knowledge learned in Year 11 with an emphasis on project-based learning in keeping with the new direction for Digital Technology of the NCEA curriculum at Level 1.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 20

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution: \$20, personal 8Gb, 14" lap-top a huge advantage

Next Step: Digital Technology Level 3

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
AS91357	3	Undertake effective development to make and trial a prototype	6	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91370	4	Implement advanced procedures to produce a specified digital media outcome	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91344	4	Implement advanced procedures using resistant materials to make a specified product with special features	6	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91371	3	Demonstrate understanding of advanced concepts from computer science	4	External	<input type="checkbox"/>	<input type="checkbox"/>

Digital Technology Level 3

Pre-requisites: Year 12DTC an advantage. Personal lap-top strongly recommended but not essential (8Gb RAM strongly recommended, any model but 14-inch screen best); one good headset/earphones.

Course Description:

This course aims to build upon the skills and knowledge learned in Year 12 with an emphasis on project-based learning in keeping with the new direction for Digital Technology of the NCEA curriculum at Level 2.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 20

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution: \$20, personal 8Gb, 14" lap-top a huge advantage

Next Step: Tertiary Courses

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
AS91609	3	Undertake project management to support technological practice	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91610	2	Develop a conceptual design considering fitness for purpose in the broadest sense	6	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91611	2	Develop a prototype considering fitness for purpose in the broadest sense	6	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91636	2	Demonstrate understanding of areas of computer science	4	External	<input type="checkbox"/>	<input type="checkbox"/>

Early Childhood Education Level 2

Course Description:

Students will learn many of the skills required in early childhood education as well as life skills. They will learn about themselves and their relationships with others; develop their view of childhood; expand and challenge their belief systems and develop their communication and relationship skills. Course work is provided by UNITEC and with 20 credits gained, students will gain a Certificate of Achievement in Early Childhood Education - Level 2.

Assessment Method – UNITEC (Auckland) Unit Standards.

Credits: Approximately 20.

Early Childhood Education Level 3

Course Description:

Students will learn knowledge and skills required to pursue a career in early childhood education, as well as life skills. They will learn about themselves and their relationships with others; develop a knowledge of the TeWariki Curriculum; expand and challenge their belief systems and develop their communication and relationship skills. Course work is provided by UNITEC and with 20 credits gained, students will gain a Certificate of Achievement in Early Childhood Education Level 3.

Assessment Method: UNITEC (Auckland) Unit Standards.

Credits: Approximately 14.

English Level 1

Course Description: *(500 characters maximum)*

The course builds on the skills covered in the Year 9 and 10 courses and encourages practical experience in areas such as creative writing, static images and speech-making. A range of literature is studied. Reading skills and writing in different styles are practiced.

Students practise making meaning and creating meaning at each level of the curriculum. As they progress, students use their skills to engage with increasingly sophisticated and challenging tasks and texts in greater depth.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 18 - 28

Literacy Credits: 28

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): nil

Next Step: Level 2 English

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
90850	Click or tap here to enter text.	Show understanding of specified aspects of studied visual or oral text(s), using supporting evidence.	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90851	Click or tap here to enter text.	Show understanding of specified aspects of unfamiliar written text(s), using supporting evidence.	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90053	Click or tap here to enter text.	Produce formal writing.	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90857	Click or tap here to enter text.	Construct and deliver an oral text.	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90855	Click or tap here to enter text.	Create a visual text.	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90852	Click or tap here to enter text.	Explain significant connection(s) across texts, using supporting evidence.	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90854	Click or tap here to enter text.	Form personal responses to independently read texts, supported by evidence.	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90856	Click or tap here to enter text.	Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence.	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>

English Level 2

Course Description: (*500 characters maximum*)

Students study an enjoyable variety of literary genre over the year including a selection of poetry, short stories and films. Particular attention is paid to the intention of the author, and how successfully his/her ideas are communicated. They will continue to develop their skills in thinking, analysing and evaluating. The craft of writing is practiced encompassing a variety of styles, with a strong emphasis on the editing and proof reading of their work. There is an optional research skills standard offered should the student wish to complete it. Class and group discussion of literature and language topics is encouraged, and connections between taught and self-selected texts is an important part of this course.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 17 - 30

Literacy Credits: 30

Numeracy Credits: 0

Reading Credits towards University Entrance: 16

Writing Credits towards University Entrance: 14

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): nil

Next Step: Level 3 English

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91098	Click or tap here to enter text.	Analyse specified aspect(s) of studied written text(s), supported by evidence.	4	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91100	Click or tap here to enter text.	Analyse significant aspects of unfamiliar written text(s) through close reading, supported by evidence.	4	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91101	Click or tap here to enter text.	Produce a selection of crafted and controlled writing.	6	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91104	Click or tap here to enter text.	Analyse significant connections across texts, supported by evidence.	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91105	Click or tap here to enter text.	Use information literacy skills to form developed conclusion(s).	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91106	Click or tap here to enter text.	Form developed personal responses to independently read texts, supported by evidence.	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91107	Click or tap here to enter text.	Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence.	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>

English Level 3

Course Description: (*500 characters maximum*)

The course includes a mix of internally and externally assessed standards. All students will prepare for at least one externally assessed standard and will also complete the internally assessed writing standard, 91475. A further one or two standards will be self-selected by students for completion in terms two and/or three. Students are expected to consider their own strengths and areas of interest and decide on their choice of assessment tasks in consultation with their teacher.

Assessment Method: Achievement Standards

Internal/External/Both: Both

<https://amuriareaschool.sharepoint.com/sites/schoolstaff/Shared Documents/Senior Course Handbook/2019/Course Handbook/Course Handbook 2019.docx>

Credits: 17 - 22

Literacy Credits: 22

Numeracy Credits: 0

Reading Credits towards University Entrance: 8

Writing Credits towards University Entrance: 10

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): nil

Next Step: University study

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91472	Click or tap here to enter text.	Respond critically to specified aspect(s) of studied written text(s), supported by evidence.	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91475	Click or tap here to enter text.	Produce a selection of crafted and controlled writing which develops, sustains and structures ideas.	6	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91478	Click or tap here to enter text.	Respond critically to significant connections across texts, supported by evidence.	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91479	Click or tap here to enter text.	Develop an informed understanding of literature and/or language using critical texts.	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91480	Click or tap here to enter text.	Respond critically to significant aspects of visual and/or oral text(s) through close reading, supported by evidence.	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Gateway

Leading to: Employment, Apprenticeships, National Certificates, Tertiary Study.

Assessment Method: Internal Unit Standards.

Aims:

- To develop an individual learning/training plan for each student.
- Strengthen pathways for students from school to further education, training or employment.
- To provide structured learning opportunities in the workplace.
- To gain a minimum of 20 credits.

Description:

The Gateway programme is available to selected Year 12-13 students who are genuinely interested in a career in a particular industry and are both ready to learn and work ready. Students will not gain automatic entry to Gateway as places are limited. An interview and selection process will take place.

Gateway students should expect to spend one day a week during the latter part of Term 1 plus all of Term 2 and 3 at their work placement. This structure is dependent on the individual employer and may vary.

Unit Standards:

Will be selected from domains related to the students work placement and core generic unit standards. **A minimum of 20 credits must be achieved.** Workplace standards will be selected in consultation with the Gateway Co-ordinator.

For further information see Ms Thomas or Mrs Mossman.



Geography Level 1

Pre-requisites: Nil

Course Description: *(500 characters maximum)*

This course is student driven in terms of subject domains and contexts. As a class we co-construct the course from two domains (Geography and History). We then choose the topics for assessment, ensuring a range of out-of-class field study can be incorporated.

Assessment Method: AS

Internal/External/Both: Both

Credits: Approximately 18

Literacy Credits: 14

Numeracy Credits: 8

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

<https://amuriareaschool.sharepoint.com/sites/schoolstaff/Shared Documents/Senior Course Handbook/2019/Course Handbook/Course Handbook 2019.docx>

Course Contribution (*monetary or items needed for course*): **Dependent on Field Trips**

Next Step: Click or tap here to enter text.

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91007	3	Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s)	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91009	3	Demonstrate geographic understanding of the sustainable use of an environment	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91010	2	Apply concepts and basic geographic skills to demonstrate understanding of a given environment	4	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91011	3	Conduct geographic research, with direction	4	Internal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
91013	2	Describe aspects of a geographic topic at a global scale	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Geography Level 2

Pre-requisites: Nil

Course Description: (*500 characters maximum*)

This course is for students who want to make sense of a complex and changing world and their place in it. Students will understand how the processes that shape natural and cultural environments change over time, vary in scale, from place to place, and create spatial patterns. Students will understand how people's perceptions of and interactions with natural and cultural environments differ and have changed over time.

Assessment Method: AS

Internal/External/Both: Both

Credits: Approximately 18

Literacy Credits: 19

Numeracy Credits: 9

Reading Credits towards University Entrance: 4

Writing Credits towards University Entrance: 4

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): **Dependent on Field Trips**

Next Step: Click or tap here to enter text.

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91240	2	Demonstrate geographic understanding of a large natural environment (Reading and Writing for University Entrance)	4	External	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
91243	2	Apply geography concepts and skills to demonstrate understanding of a given environment	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91244	3	Conduct geographic research with guidance	5	Internal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
91245	3	Explain aspects of a contemporary New Zealand geographic issue	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91246	3	Explain aspects of a geographic topic at a global scale	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Literacy Credits – L
Numeracy Credits – N

Geography Level 3

Course Description/Content:

Geography is the study of the environment as the home of people. It seeks to interpret the world and how it changes over time – past, present, and future. It explores the relationships and connections between people and both natural and cultural environments. Geography investigates the ways in which features are arranged on the earth's surface. It describes and explains the patterns and processes that create them. Literacy credits are made up of University Reading and University Writing credits.

Assessment Method: Achievement Standards.

Credits: Approximately 19.

Reading Credits: 11.

Writing Credits: 8.

Independent Living Level 2

Course Description:

This is an ideal course to develop skills for flatting/living away from home. Students need to be motivated and have a genuine desire to develop their cookery skills and want to become confident in their financial affairs. Gaining US 167 enhances your opportunity to gain part time work in the food industry.

Assessment Method: HSI Unit Standards.

Credits: Approximately 20.

Course Contribution: Approximately \$60 to cover food.

Mathematics Level 1

Pre-requisites: 10 Level 1 numeracy credits from Year 10 at teacher's discretion

Course Description: (500 characters maximum)

This course is a preparation for and prerequisite of the algebra based course at Level 2. It contains standards from both the Algebra and Statistics strands of the curriculum. The course is recommended particularly for students wanting to pursue careers in any area of science, computer science or engineering

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: Maximum of 19 – 7 internal and 12 external

Literacy Credits: 4 literacy credits from internal standards

Numeracy Credits: 19

Reading Credits towards University Entrance: No

Writing Credits towards University Entrance: No

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): All students will require a scientific calculator and write-on homework/revision book. Students intending on further study in mathematics and science may wish to purchase a Casio graphics calculator, which can be purchased from school.

Next Step: Mathematics at Level 2

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
AS91035	Click or tap here to enter text.	Investigate a given multivariate data set using the statistical enquiry cycle	4	Internal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AS91029	Click or tap here to enter text.	Apply linear algebra in solving problems	3	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91027	Click or tap here to enter text.	Apply algebraic methods in solving problems	4	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91028	Click or tap here to enter text.	Investigate relationships between tables, equations and graphs	4	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91037	Click or tap here to enter text.	Demonstrate understanding of chance and data	4	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Mathematics Level 2

Pre-requisites: At least 18 credits in Level 1 Mathematics, including 91027 (Algebra) and 91028 (Graphing) are desirable if a student is to achieve Level 2.

Course Description: (500 characters maximum)

This course combines a selection of both mathematics and statistics standards. Standards are selected to prepare students to move onto to take either Calculus or Statistics in Level 3

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: No more than 20 (22 offered)

Literacy Credits: 4

Numeracy Credits: 22

Reading Credits towards University Entrance: No

Writing Credits towards University Entrance: No

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): All students will require a scientific calculator and write-on homework/revision book. Students intending on further study in mathematics and science may wish to purchase a Casio graphics calculator, which can be purchased from school.

Next Step: Level 3 Calculus or Statistics

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
AS91257	Click or tap here to enter text.	Apply graphical methods in solving problems	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91259	Click or tap here to enter text.	Apply trigonometric relationships in solving problems	3	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91264	Click or tap here to enter text.	Use statistical methods to make an inference	4	Internal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AS91256	Click or tap here to enter text.	Apply co-ordinate geometry methods in solving problems	2	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91261	Click or tap here to enter text.	Apply algebraic methods in solving problems	4	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91262	Click or tap here to enter text.	Apply algebraic methods in solving problems	5	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Mathematics Calculus Level 3

Pre-requisites: At least 8 credits at NCEA Level 2 Mathematics, including 91261 (Algebra) and 91257 (Graphing) are desirable if a student is to achieve at Level 3.

Course Description: (500 characters maximum)

Calculus is the study of change and uses algebra skills developed in earlier years. Students will be studying differentiation and integration methods, algebra of complex numbers, trigonometric methods, the geometry of conic sections and also linear programming and critical path analysis.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: Up to 24 (29 offered)

Literacy Credits: No

Numeracy Credits: Up to 24

Reading Credits towards University Entrance: No

Writing Credits towards University Entrance: No

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): All students will require a scientific calculator and write-on homework/revision book. Students intending on further study in mathematics and science may wish to purchase a Casio graphics calculator, which can be purchased from school.

Next Step: University courses in Engineering, Health Sciences, Science and Mathematics

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
AS91573	Click or tap here to enter text.	Apply the geometry of conic sections in solving problems	3	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91574	Click or tap here to enter text.	Apply linear programming methods in solving problems	3	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91575	Click or tap here to enter text.	Apply trigonometric methods in solving problems	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91576	Click or tap here to enter text.	Use critical path analysis in solving problems	2	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91577	Click or tap here to enter text.	Apply the algebra of complex numbers in solving problems	5	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91578	Click or tap here to enter text.	Apply differentiation methods in solving problems	6	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Mathematics Statistics Level 1

Pre-requisites: Year 10

Course Description: (500 characters maximum)

This course is for students who have not met the prerequisite for the Level 1 algebra-based Mathematics course. It is based solely on Statistics standards and leads to courses in Statistics in Levels 2 and 3. Entry to this course will only be with approval of the Head of Department.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: Maximum of 18

Literacy Credits: 10

Numeracy Credits: 18

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): All students will require a scientific calculator and write-on homework/revision book. Students intending on further study in statistics may wish to purchase a Casio graphics calculator, which can be purchased from school.

Next Step: Level 2 Statistics

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
AS91035	3	Investigate a given multivariate data set using the statistical enquiry cycle	4	Internal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AS91038	3	Investigate a situation involving elements of chance	3	Internal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AS91036	3	Investigate bivariate numerical data using the statistical enquiry cycle	3	Internal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AS91037	4	Demonstrate understanding of Chance and Data	4	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91026	3	Apply numeric reasoning in solving problems	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Mathematics Statistics Level 2

Pre-requisites: NCEA Level 1 Mathematics or Statistics and at teacher's discretion

Course Description: (500 characters maximum)

This is a statistically based course including a range of topics such as questionnaire design, statistical investigation, statistical inference, statistical report evaluation, sequences and series, networks, and probability methods.

<https://amuriareaschool.sharepoint.com/sites/schoolstaff/Shared Documents/Senior Course Handbook/2019/Course Handbook/Course Handbook 2019.docx>

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: Maximum of 20 (22 offered)

Literacy Credits: 14 literacy credits from internal standards and 4 from external standards

Numeracy Credits: 22

Reading Credits towards University Entrance: 2 internal credits

Writing Credits towards University Entrance: No

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): All students will require a scientific calculator and write-on homework/revision book. Students intending on further study in mathematics and science may wish to purchase a Casio graphics calculator, which can be purchased from school.

Next Step: Level 3 Statistics

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
AS91256	Click or tap here to enter text.	Apply co-ordinate geometry methods in solving problems	2	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91258	Click or tap here to enter text.	Apply sequences and series in solving problems	2	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91260	Click or tap here to enter text.	Use networks in solving problems	2	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91263	Click or tap here to enter text.	Design a questionnaire	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91264	Click or tap here to enter text.	Use statistical methods to make an inference	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91265	Click or tap here to enter text.	Conduct an experiment to investigate a situation using statistical methods	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91266	Click or tap here to enter text.	Evaluate a statistically based report	2	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91267	Click or tap here to enter text.	Apply probability methods in solving problems	4	External	<input type="checkbox"/>	<input type="checkbox"/>

Outdoor Education Level 2

Course Description: (500 characters maximum)

A desire to develop personal and leadership skills over a wide range of outdoor activities is essential: tramping, camping, navigation, kayaking, mountain biking, rock climbing. Most activities are carried out off site so a commitment to attend these, is essential. This course has a high practical component, but it is imperative students are also aware that work books must be completed for all units. The course will be constructed in consultation with the students.

Assessment Method: Unit Standards

Internal/External/Both: Internal

Credits: 18 - 24

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: No

Course Contribution (*monetary or items needed for course*): There are considerable costs involved in participating in outdoor pursuits: Instructor fees, equipment hire, transport, accommodation, food costs.

Next Step: An interview may be conducted with students entering this course to check suitability.

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
21037	1	Mountain bike on easy to intermediate terrain	1	Internal	<input type="checkbox"/>	<input type="checkbox"/>
457	6	Mountain bike on intermediate to expert terrain	2	Internal	<input type="checkbox"/>	<input type="checkbox"/>
459	6	Complete a cycle tour	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
20138	1	Select, set up and maintain a mountain or cycle touring bike	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
489	7	Demonstrate sea kayaking skills on sheltered or slow-moving water	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
476	6	Roll a kayak	2	Internal	<input type="checkbox"/>	<input type="checkbox"/>
20818	1	Demonstrate kayaking skills on sheltered or slow-moving water	2	Internal	<input type="checkbox"/>	<input type="checkbox"/>
425	6	Experience day tramps	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
426	6	Experience camping	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>

Outdoor Education Level 3

Course Description: (500 characters maximum)

This course focuses on outdoor leadership skills and working independently to plan and undertake self-directed journeys. Possible contexts: Scuba diving, snorkelling, cycle touring. Most activities are carried out off site so a commitment to attend these, is essential. This course has a high practical component, but it is

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imperative students are also aware that work books must be completed for all units. The course will be constructed in consultation with the students.

Assessment Method: Unit Standards

Internal/External/Both: Internal

Credits: 15- 18

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: No

Course Contribution (*monetary or items needed for course*): There are considerable costs involved in participating in outdoor pursuits: Instructor fees, equipment hire, transport, accommodation & food costs.

Next Step: An interview may be conducted with students entering this course to check suitability

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
28392	1	SCUBA dive in open water to a maximum depth of 18 metres	7	Internal		
28394	1	Complete computer aided SCUBA dives in open water	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
28408	1	Complete SCUBA dives off shore in open water	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
28393	1	Navigate underwater while SCUBA diving in open water	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
20135	2	Plan for, participate in, and evaluate a self-sufficient cycle tour	10	Internal	<input type="checkbox"/>	<input type="checkbox"/>

Physical Education Level 1

Course Description: (*500 characters maximum*)

Students will select five Achievement Standards from the range available. There is an emphasis on learning through practical sessions then applying and assessing these skills in classroom sessions. The course focuses on improving the student's athletic abilities through an understanding of how the body works and motor learning strategies. Self-management & responsible behaviour is taught through a series of outdoor education activities. While coaching a group of students provides a leadership and citizenship character to the course.

Assessment Method: Achievement Standards

Internal/External/Both: Internal

Credits: 17 - 22

Literacy Credits: 22

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): Approximately \$100 for mountain biking and rock climbing.

Next Step: Physical Education Level 2

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
90962	3	Participate actively in a variety of physical activities and explain factors that influence own participation	5	Internal	<input type="checkbox"/>	<input type="checkbox"/>
90963	3	Demonstrate understanding of the function of the body as it relates to the performance of physical activity	5	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90964	3	Demonstrate quality movement in the performance of a physical activity	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
90965	3	Demonstrate understanding of societal influences on physical activity and the implications for self and others	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90966	3	Demonstrate interpersonal skills in a group and explain how these skills impact on others	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90967	3	Demonstrate strategies to improve the performance of a physical activity and describe the outcomes	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90968	3	Demonstrate, and show understanding of, responsible behaviour for safety during outdoor education activities	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
90969	3	Take purposeful action to assist others to participate in physical activity	2	Internal	<input type="checkbox"/>	<input type="checkbox"/>
90970	3	Demonstrate self-management strategies and describe the effects on participation in physical activity	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Physical Education Level 2

Pre-requisites: NCEA Level 1 with numeracy and literacy.

Course Description: (*500 characters maximum*)

This course will offer students the opportunity to experience and participate in a wide range of physical activities and outdoor pursuits. Students will select five Achievement Standards that have practical and classroom sessions to complete. Students will investigate techniques to improve their physical skills. They will plan, implement and undertake an outdoor experience and manage the associated risks. Finally, they will develop interpersonal and leadership skills as well as being socially responsible for a group of students.

Assessment Method: Achievement Standards

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Internal/External/Both: Internal

Credits: 15 – 18 (29 offered)

Literacy Credits: 29

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): TBA

Next Step: Level 3 Physical Education

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91327	2	Examine the role and significance of physical activity in the lives of young people in New Zealand	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91328	2	Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills	5	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91329	2	Demonstrate understanding of the application of biophysical principles to training for physical activity	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91330	2	Perform a physical activity in an applied setting	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91331	2	Examine the significance for self, others and society of a sporting event, a physical activity, or a festival	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91332	2	Evaluate leadership strategies that contribute to the effective functioning of a group	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91333	2	Analyse the application of risk management strategies to a challenging outdoor activity	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91334	2	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity	3	Internal	<input type="checkbox"/>	<input type="checkbox"/>
91335	2	Examine the implementation and outcome(s) of a physical activity event or opportunity	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91336	2	Analyse group processes in physical activity	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Physical Education Level 3

Pre-requisites: Level 2 Physical Education and NCEA Level 2

Course Description: (500 characters maximum)

The course structure will be decided with the students who enrol in this course for 2019. The field trip is always based around the outdoor activity the class decides to undertake throughout the year. This is an

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academic course which requires the students to critically analyse and evaluate activities that they take part in. Assessment will be via written reports, power point presentations, written journal articles and a homework assignment.

Assessment Method: Achievement Standards

Internal/External/Both: Internal

Credits: 15 – 18 (35 offered)

Literacy Credits: 27

Numeracy Credits: 17

Reading Credits towards University Entrance: 8

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): Cost to be advised once students have planned the outdoor experience

Next Step: None

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
91498	2	Evaluate physical activity experiences to devise strategies for lifelong well-being	4	Internal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
91499	2	Analyse a physical skill performed by self or others	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91500	2	Evaluate the effectiveness of a performance improvement programme	4	Internal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
91501	2	Demonstrate quality performance of a physical activity in an applied setting	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
91502	2	Examine a current physical activity event, trend, or issue and its impact on New Zealand society	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91503	2	Evaluate the use of health promotion to influence participation in physical activity	5	Internal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
91504	2	Analyse issues in safety management for outdoor activity to devise safety management strategies	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91505	2	Examine contemporary leadership principles applied in physical activity contexts	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91789	2	Devise strategies for a physical activity outcome	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>

Physics Level 2

Pre-requisites: Must have achieved a minimum of 12 credits in Level 1 Science OR Level 1 Mathematics at teacher's discretion.

Course Description: (500 characters maximum)

This course builds on the skills and knowledge learned in Level 1 Science focusing on the ways that energy and forces control how matter in the universe interacts. The course includes the energy of waves (reflection, refraction and wave behaviour), mechanics (non-linear relationships of motion and forces), atomic and nuclear physics (energy, atoms, radioactivity), socio-scientific issues and a practical investigation.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: Internal Achievement Standards 7-10 credits. External Achievement Standards 4, 6 or 10 credits if both are completed. Maximum credits available for any student: 20 credits.

Literacy Credits: 10 literacy credits for internal Achievement Standards and 10 literacy credits for external Achievement Standards.

Numeracy Credits: 4 numeracy credits for internal Achievement Standards and 16 numeracy credits for external Achievement Standards.

Reading Credits towards University Entrance: No

Writing Credits towards University Entrance: No

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): Workbook (with answers) for the internal and external standards (\$28 approximately).

Next Step: Physics Level 3

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
AS91168	Click or tap here to enter text.	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	4	Internal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AS91169	Click or tap here to enter text.	Demonstrate understanding of physics relevant to a selected context (<i>this standard is optional</i>)	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AS91172	Click or tap here to enter text.	Demonstrate understanding of atomic and nuclear physics	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AS91170	Click or tap here to enter text.	Demonstrate understanding of waves	4	External	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AS91171	Click or tap here to enter text.	Demonstrate understanding of mechanics	6	External	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AS91173	Click or tap here to enter text.	Demonstrate understanding of electricity and electromagnetism	6	External	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Physics Level 3

Pre-requisites: Click or tap here to enter text. **Must have achieved a minimum of 10 credits in Level 2 Physics OR Level 2 Calculus and Algebra at teacher's discretion**

Course Description: (500 characters maximum)

This course builds on the skills and knowledge learned in Level 2 Physics and prepares students for tertiary or industry based studies. The course includes sound and light waves (harmonics, resonance, beats, Doppler effect), the mechanics of circular motion and rotational forces (translational motion, circular motion and gravity, rotating systems, oscillating systems), modern nuclear physics (quarks, leptons, photons, photoelectric effect), socio-scientific issues and a practical investigation.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: Internal 10 credits. External Achievement Standards 4, 6 or 10 credits if both are completed. Maximum credits available for any student: 20 credits.

Literacy Credits: 13 literacy credits for internal Achievement Standards, 16 literacy credits for external Achievement Standards.

Commented [BB1]:

Numeracy Credits: None

Reading Credits towards University Entrance: 3 reading credits (socio-scientific internal).

Writing Credits towards University Entrance: None

Course Endorsement Possible: Yes

Course Contribution (monetary or items needed for course): Workbook (with answers) for the internal and external standards (\$28 approximately).

Next Step: Tertiary studies

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
AS91521	Click or tap here to enter text.	Carry out a practical investigation into a nonlinear relationship	4	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AS91522	Click or tap here to enter text.	Demonstrate understanding of physics related to a context	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AS91523	Click or tap here to enter text.	Demonstrate understanding of wave systems	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AS91524	Click or tap here to enter text.	Demonstrate understanding of mechanical systems	6	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>

AS91525	Click or tap here to enter text.	Demonstrate understanding of modern physics	3	Internal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AS91526	Click or tap here to enter text.	Demonstrate understanding of electrical systems	6	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS91527	Click or tap here to enter text.	Use physics knowledge to respond to a socio-scientific issue	3	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Rural Skills Level 2

Course Description:

This course is for students who have a genuine interest in future employment in the agricultural sector. Students should preferably have some farm experience as there is an expectation the students will be involved in farm work experience during the year.

Content:

Livestock feeding and handling, safe use of agri-chemicals, soils, animal physiology, dairying, ATV/motorbike/ tractor - safety use, fencing, etc. Units decided are compulsory for all students. This course is a mixture of theory and on farm practical work and run in partnership with the National Trade Academy who provide the practical tuition. Attendance at practical sessions is compulsory.

Assessment Method: Unit standards

Credits: Approximately 30.

Course Contribution: \$80.00.

Science Level 1

Pre-requisites: none

Course Description: *(500 characters maximum)*

The course includes physics, biology and chemistry. It will be assessed as NCEA Level 1 Achievement Standards with 16 internal credits and 12 external credits offered. Internal assessments involve laboratory work and contribute to numeracy as well as science credits. Each student will enter a maximum of 20 credits and will be advised of the best combination for them as the year progresses. The course reflects the nature of science with a respect for evidence. It offers sound preparation for senior sciences and builds on the capabilities developed in junior science courses.

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: Maximum of 20 (28 offered)

Literacy Credits: 4

Numeracy Credits: 12-16

Reading Credits towards University Entrance: nil

Writing Credits towards University Entrance: nil

Course Endorsement Possible: Yes

Course Contribution (*monetary or items needed for course*): \$10 and a scientific calculator

Next Step: Level 2 Agribusiness, Biology, Chemistry and / or Physics

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
AS 90935	3	Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS 90940	3	Demonstrate understanding of aspects of mechanics	4	External	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS 90948	3	Demonstrate understanding of biological ideas relating to genetic variation	4	External	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AS 90950	3	Investigate biological ideas relating to interactions between humans and micro-organisms	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS 90944	3	Demonstrate understanding of aspects of acids and bases	4	External	<input type="checkbox"/>	<input type="checkbox"/>
AS 90930	3	Carry out a practical chemistry investigation, with direction	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AS 90943	3	Investigate implications of heat for everyday life	4	Internal	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Technology Level 2

Pre-requisites: Year 11 STEM/Digital or Workshop Technology an advantage.

Course Description:

This course aims to build upon the skills and knowledge learned in Year 11 workshop and digital technology with an emphasis on project-based learning in keeping with the new direction for Technology in the new NCEA curriculum at Levels 1 and 2 (in both subject/context).

Assessment Method: Achievement Standards

Internal/External/Both: Both

Credits: 16

Literacy Credits: 0

Numeracy Credits: 0

Reading Credits towards University Entrance: 0

Writing Credits towards University Entrance: 0

Course Endorsement Possible: Yes

Course Contribution: \$20, personal 8Gb, 14" lap-top a huge advantage

Next Step: N/A

Standard No.	Version No.	Standard Title	Credits	Internal/ External	Literacy	Numeracy
AS91357	3	Undertake effective development to make and trial a prototype	6	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91370	4	Implement advanced procedures to produce a specified digital media outcome	4	Internal	<input type="checkbox"/>	<input type="checkbox"/>
AS91344	4	Implement advanced procedures using resistant materials to make a specified product with special features	6	Internal	<input type="checkbox"/>	<input type="checkbox"/>

Tourism Level 2/3

Course Description:

Tourism is a distance learning course provided by the NZ School of Tourism. Students need to be interested in the concept of Tourism, be able to study independently and manage their time carefully.

Content:

This course covers the introductory skills needed in tourism e.g. work roles, world tourist destinations, business of tourism, characteristics and needs of tourists, destination NZ and other destinations. Level 2 & 3 standards are available depending on year level.

Assessment Method: Internally assessed unit standards.

Credits: 20-24

Trades Academy

Year 11 & 12 (One day courses)

Students may have the opportunity to attend specified Introductory Trades Courses offered by the Canterbury Tertiary College (CTC) as part of their dual programmes for schools. Students accepted and enrolled in Trades Academy Courses are enrolled with CTC on that day and not the school. The Trades Academy Courses are run in Christchurch at the ARA Institute.

Purpose: To give students 'hands on' experience in a trade over the course of a year. This enables students to earn credits towards their NCEA and gain experience and insight into the trade/s to help with their decision making in further training and career pathways.

Students interested in a CTC course will need to:

- **Discuss the programme with Mrs Mossman to determine the suitability of the course to the students educational pathway**
- **Complete an application for CTC with High School endorsement form completed by the school**
- **Attend an interview with parents/caregiver with CTC student advisers at the ARA Institute Campus in CHCH**

Courses for 2018

Please see Mrs Mossman for details of the courses available.

Credits: 30 - 35 credits available at Level 1 & 2.

Cost: Course is free.

Transport: Van and driver organised by the school departing 7.15am and returning 5.00pm.

For further information - see Mrs Mossman.

Year 12 & 13 (Two day courses)

CTC offers two day courses in Trades, Business, Retail and Hospitality – the selection process is the same as above, however current CTC students are usually interviewed at the end of their previous year course.

Transport: At this stage students will need to make their own travel arrangements but travel subsidies are available. Any changes for travel will be advised.

For further information - see Mrs Mossman.