



**NORTHERN
SOUTHLAND
COLLEGE**

**SENIOR
COURSE
BOOKLET**

2022

*Please bring this with you to the Options Afternoon on
Wednesday 27 October at 2 pm in the Library*



National Certificate of Educational Achievement
TAUMATA MĀTAURANGA Ā-MOTU KUA TAEA

How NCEA works

The National Certificate of Educational Achievement (NCEA) is the main national qualification for secondary school students in New Zealand.

NCEA is recognised by employers, and used for selection by universities and polytechnics, both in New Zealand and overseas.

How it works

- Each year, students study a number of courses or subjects.
- In each subject, skills and knowledge are assessed against a number of standards. For example, a Mathematics standard could be: *Apply numeric reasoning in solving problems.*
- Schools 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.

NCEA is a national qualification on the New Zealand Qualification Framework. Standards that secondary school students achieve as part of NCEA can be used as building blocks for other qualifications.

Course Endorsement enables students with strong performances in individual courses to gain Excellence or Merit endorsements in those courses. Students will receive an Excellence endorsement for a course if they gain 14 credits at Excellence level, while students gaining 14 credits at Merit (or Merit and Excellence) will gain a Merit endorsement. To ensure students are capable of performing well in both modes of assessment, in most courses at least three of the 14 credits achieved at Merit or Excellence must be from internally assessed standards, and three from externally assessed standards.

Scholarship

Scholarship is a monetary award to recognise top secondary school students. Scholarship exams are externally assessed and are an additional set of exams. They do not attract credits, nor contribute towards a qualification, but the fact that a student has gained a Scholarship appears on their Record of Achievement.

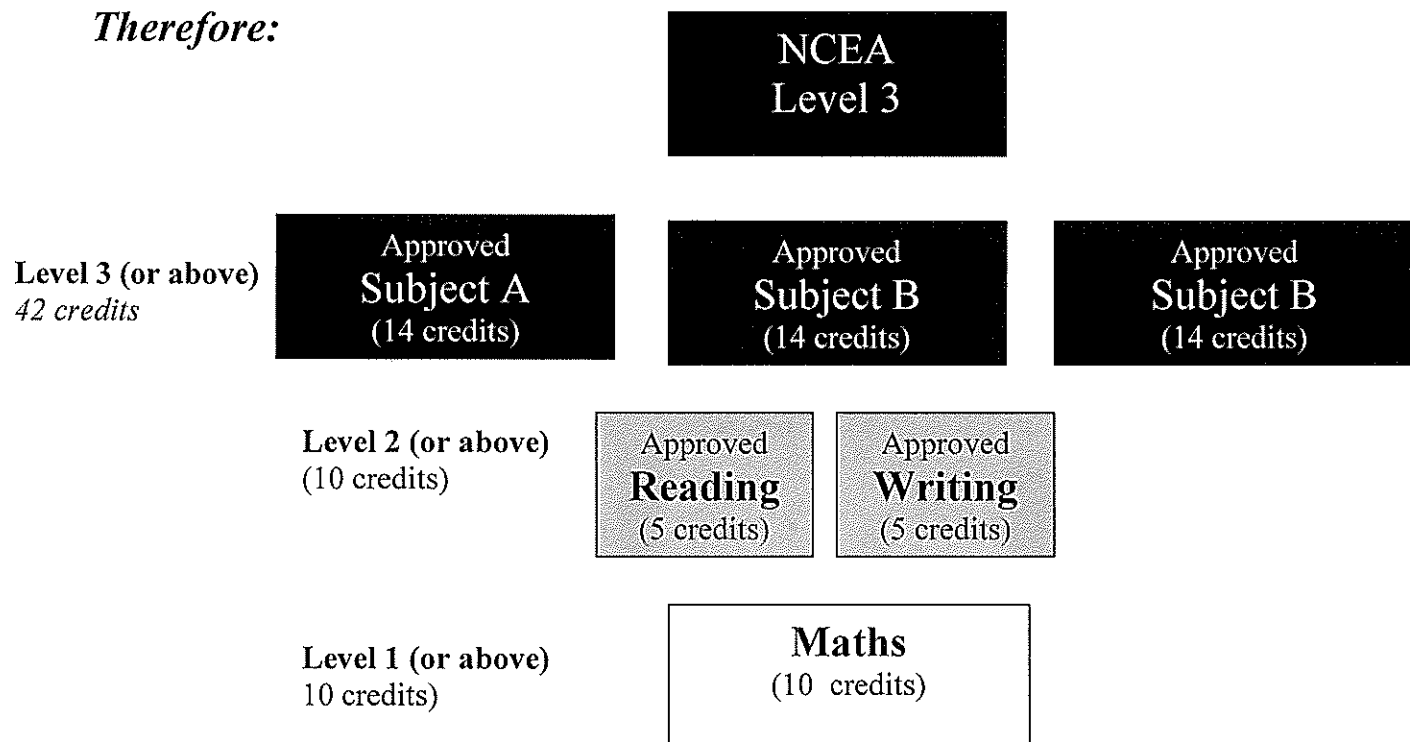
University Entrance Standard

A person shall be qualified for entrance to a university in New Zealand if he/she has obtained:

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

Once you have met the requirements for University Entrance it will appear on your Record of Achievement.

Therefore:



CHOOSING YOUR COURSES

Choosing your courses is one of the most important decisions you make each year. You need to make sure you choose courses that:

- are right for the future you want for yourself
- you can succeed in (with hard work)
- you will enjoy
- do not restrict your future options (in case you change your mind about where you are heading).

How does the system work?

Obviously no school can offer everyone their perfect combination of subjects. What we do is try to design a structure that gives the best choices to the most people. As well as that you may be able to fill in any gaps by doing Online or Correspondence courses.

Three Step Process

- 1 You are to attend the course selection afternoon with your parents/caregivers and then fill in the subject preference form telling us what subjects you think you would like to do. You must discuss this with your parents/caregivers and teachers. This is just an indication and, unfortunately, doesn't necessarily mean you'll actually be able to do this particular combination.
- 2 The school will use this information to draw up an option structure, which will give the largest possible number of students the courses they want within the teachers and facilities available.
- 3 When your results are known you may want to (or may need to) make changes to your course. You will be able to do this at the start of next year.

How to choose your course

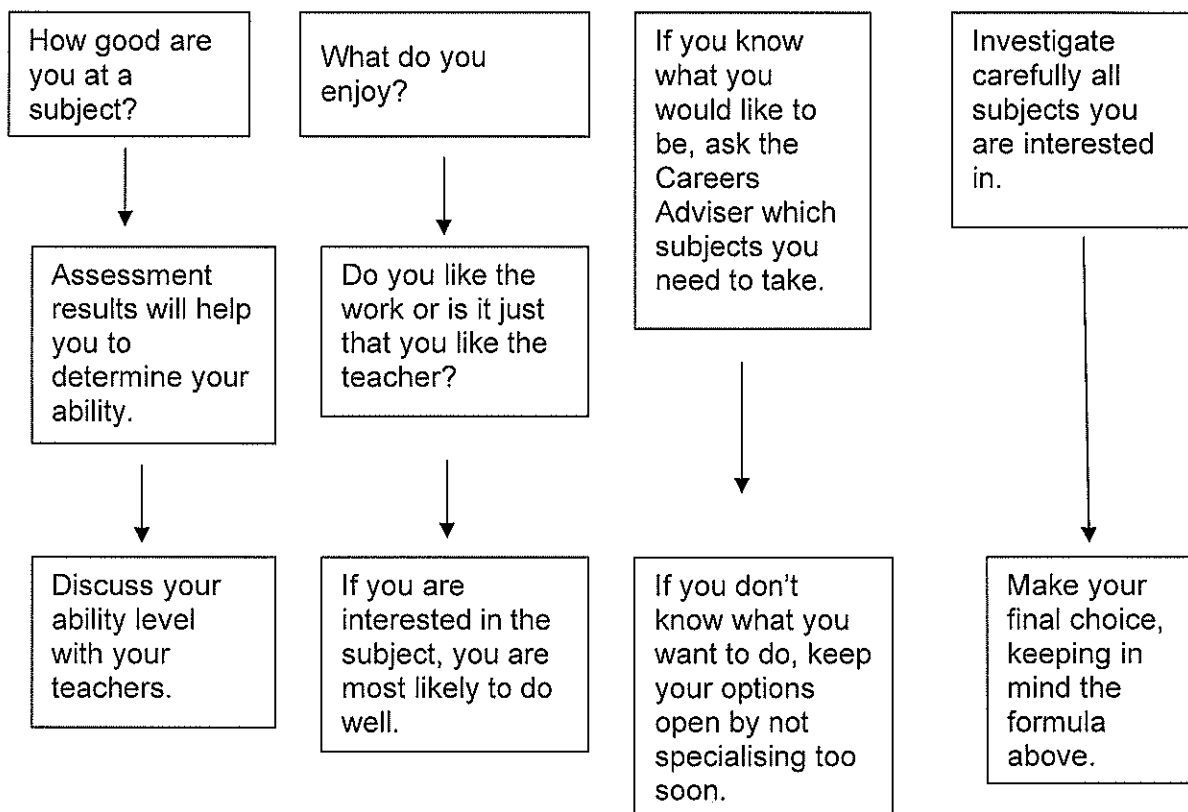
Ask yourself these questions (writing down the answers helps).

- What am I good at?
- What do I do well in?
- What do I enjoy?
- What subjects do I need for my future plans? **and for my back-up plans?**

Once you have done this, identify the subjects you think you would like to do. If you need more information about a subject the Option Booklet tells you whom to ask.

Then:

Look at the prerequisites - these tell you what you need to have already done to get into the courses (where they specify a grade or mark. Be honest with yourself about whether or not you think you will reach it).



How not to choose a course

Research shows that two main influences on course choice (especially among people who later regret their choices), are often:

- what subjects your friends are taking
- who is teaching a particular subject

These are very risky ways to choose a course. You may not be in the same class and decisions about who teaches what class are not made until later anyway.

It's vital **YOUR** course covers the subjects
YOU need for **YOUR** future

How to find your ideal course

- 1 Read the course booklet fully - become familiar with all the options - remember you can always do courses at higher or lower levels (this is called multi-levelling).
- 2 Talk to people about your ideas. You should try:
 - Your parents/caregivers - they know you better than you think.
 - Your teachers - they can advise about specific subjects.
 - The Careers Adviser - who can make sure you are on the right track.
 - Other teachers – they always have helpful advice.
 - People in the workforce – they can tell you what is needed for their job.
 - The liaison people at tertiary institutions.
- 3 Talking is always a good way to sort out your own ideas.
- 4 **If you are not sure where you are heading**, you should do two things:
 - Choose a broad course that leaves as many options open as possible - in particular be careful you don't drop courses that will restrict future options.
 - Do some research on careers - you could:
 - ◆ Talk to people (see '2' above).
 - ◆ Do an internet search to gather more information.

Distance Learning – NetNZ (on-line) or Te Kura (Correspondence School)

- 1 Northern Southland College is an active participant in NetNZ. NetNZ is a community of schools that work together to provide online learning opportunities based around the New Zealand Curriculum. Using computer technologies, students are linked directly with leading specialist teachers from around New Zealand. The benefits to students at Northern Southland College as being part of this initiative include:
 - Access to a large group of selected teachers in specialist fields. These teachers are selected to provide learning to others because of their proven skill and ability. What better way to access the best teachers from around the country.
 - Access to over 60 subject areas and multiple courses within these subjects. Just look at the range of courses you can now study at NSC.
 - Better access for students to this type of learning due to being a small school.
 - The students have a one-hour session each week on-line with their teacher, and spend their timetabled lesson time under teacher supervision, working on assignments from that teacher.
 - Subjects available through NetNZ include such as Drama, Media Studies, Philosophy, and many others not available in a small school.
2. If the subject is not available through NetNZ, students may need to study through the Te Kura.
3. For students to study through Distance Learning, it is essential that the following points receive major consideration.
 - Sound independent work habits have been, and continue to be demonstrated.

- Self control and motivation are essential. Students are expected to follow their course of study with a minimum amount of teacher supervision.
- Organisational and planning skills are required so that students complete the required work.

For more information, see Mrs Duncan.

Gateway

Our Gateway programme was developed for students interested in agriculture, automotive, engineering and building careers. Other students have taken part in butchery, hairdressing, plumbing, early childcare, equine, baking, business administration, tourism and vet nursing programmes.

Under this programme, students attend a workplace for some structured workplace learning. Most students are able to study theory in class at school, and attend a Gateway placing, one day or afternoon each week, for one to four terms, or during the school holidays. Unit Standards are available for these tailor-made courses. Courses will be decided on a per student basis, based on decisions made in conjunction with the Principal and the Gateway Co-ordinator, Mrs Little.

Workplaces over the last three years have included farms, a car repair workshop (local garage), a large-engine engineering workshop, a builder, local early learning centres and a veterinarian. Anything will be considered.

For more information please see Mrs Duncan.

STAR (Secondary Tertiary Alignment Resource)

STAR is an important grant used by the school to meet the identified learning needs of senior students that cannot be catered for within the traditional school curriculum. In particular, it is used to:

- 1 Facilitate transition to the workplace for students, particularly those intending to go straight into the workforce or those likely to leave school without any formal qualifications;
- 2 Provide or purchase tertiary-type courses which will better meet students' needs, which will motivate them to achieve and which will facilitate their smooth transition to further education, training or employment; and
- 3 Support students to explore career pathways and help them make informed decisions about their schooling and future work or study.

There are many different ways in which STAR can benefit students. For more information, please see Ms Blakemore.

Senior Options 2022

Level 1	Level 2	Level 3
Accounting	Accounting	Accounting *
Agriculture	Agriculture	Agriculture
	Career Ready	Career Ready
Computing	Computing	Computing
Design and Visual Communication	Design and Visual Communication	Design and Visual Communication *
Design Technology	Design Technology	Design Technology
Digital Technologies	Digital Technologies	Digital Technologies
English	English	English *
Fashion & Textiles		
Home Economics	Home Economics	Home Economics *
Hospitality	Hospitality	
Humanities	Humanities	<ul style="list-style-type: none"> • Geography * • History *
Mathematics	Mathematics	<ul style="list-style-type: none"> • Maths with Calculus * • Maths with Statistics *
Physical Education	Physical Education	Physical Education *
Science	<ul style="list-style-type: none"> • Biology • Chemistry • Physics 	<ul style="list-style-type: none"> • Biology * • Chemistry * • Physics *
	Tourism	Tourism
Visual Arts	<ul style="list-style-type: none"> • Design • Painting • Printmaking • Photography 	<ul style="list-style-type: none"> • Design * • Painting * • Printmaking * • Photography *

* Denotes UE approved subjects

NetNZ

NetNZ is a community of secondary and area schools from across New Zealand who work together to provide online learning opportunities for their students based on the New Zealand Curriculum.

NetNZ is available for students when the option they are choosing to take does not fit in the current timetable lines. It is also for students who would like to take subjects not offered such as:

- Media Studies
- Languages
- Philosophy
- Economics
- Psychology

Year 11 Options

ACCOUNTING

Level: Year 11

Qualification: NCEA Level 1 Accounting
up to 17 credits

This course combines basic Level 1 Achievement Standards from Year 11 Accounting. A study of Accounting will enable students to understand the processes involved in recording, classifying, analysing and interpreting financial information.

Course Outcomes

The course has been designed to offer those students with an interest in commerce, the opportunity to learn some of the essential processes in Accounting and enable a better grasp of the topic for those students intending to undertake commerce to a higher level.

Course Outline

Standard	Title	Credits	Assessment
90976 *	Demonstrate an understanding of the conceptual basis of accounting	3	External
90977	Process financial transactions for a small entity	5	Internal
90978	Prepare financial statements for sole proprietors	5	External
90979 *	Prepare financial information for a community organisation's annual general meeting	4	Internal

* *Denotes literacy credits*

For further information see – Mrs Lynda Duncan

AGRICULTURE

Level: Year 11

Qualification: NCEA Level 1
up to 20 credits

This course is for Year 11, 12 and 13 students, with students able to enter at any year level. Its aim is to provide a broad-based introduction to the agriculture sector and give the students a taste of the employment options available.

Depending on student needs, a selection of standards from the list below will be selected to complete, totalling a maximum of 20 credits.

Course Outline

Standard	Title	Level	Credits	Assessment
AS 90157	Demonstrate practical skills used in Agricultural or horticultural production	1	4	Internal
AS 90920	Demonstrate knowledge of the geographic distribution of agricultural and horticultural primary production in New Zealand.	1	3	Internal
AS 90155	Demonstrate knowledge of pasture/crop management practices	1	4	Internal
AS90919	Demonstrate knowledge of soil management practices	1	4	External
AS90160	Demonstrate knowledge of the impact on the environment of primary production management practices	1	3	Internal
US19116	Demonstrate knowledge of animal welfare and handling.	2	2	Internal
US19145	Describe hydration, nutrition, and sleep in relation to physical well-being of agricultural workers.	2	4	Internal

A mixture of Unit Standards and Achievement Standards are offered, based on student needs.

Assessment Procedures

This course is mainly internally assessed against Achievement Standards with some Unit Standards available. Some practical Unit Standards may be assessed by the farmer/trainer. Endorsement is possible.

For further information see - Miss Sarah Stark

COMPUTING

Level: Year 11

Qualification: NCEA Level 1
up to 16 credits

This is a Unit Standards course where students develop knowledge and skills in using different software to create digital content.

Course Outcomes

Students will learn how to best choose and use software to meet requirements. They will also develop an understanding of office functions and financial transactions as well as acquiring skills in creating and designing websites.

Course Outline

Standard	Title	Credits	Assessment
32000	Enter prescribed text accurately using basic keyboarding skills and identify safe ergonomic practices	3	Internal
32001	Compose and manage text to produce documents using basic keyboarding and layout skills	3	Internal
5946	Use computer technology to create and deliver a presentation from given content	3	Internal
18743	Produce a spreadsheet from instructions using supplied data	2	Internal
18734	Create a web page using a template	2	Internal
25659	Create a web page using mark-up language with a text editor	3	Internal

For further information see - Ms Karen Blakemore

DESIGN AND VISUAL COMMUNICATION

Level: Year 11

Qualification: NCEA Level 1
up to 19 credits

Prerequisite: It is highly recommended that students take Year 9 & 10 Design and Visual Communication prior to this course, however, entry is accepted on an individual basis and at the discretion of the HOD of Visual Art.

Design and Visual communication is a subject where students solve design problems through briefs based on real life scenarios. The course will develop a knowledge of visual techniques and formal and informal drawing that students can apply to the areas of spatial and product design. They do this with freehand sketching, some technical drawings, rendering of illustrations and through the layout and presentation of their work

The Level 1 course involves five Achievement Standards. There is an expectation that students will work independently to the best of their ability and focus on achieving subject endorsements.

Course Outline

Standard	Title	Credits	Assessment
91063	Produce freehand sketches that communicate design ideas	3	External
91066	Use rendering techniques to communicate the form of design ideas	3	Internal
91067	Use the work of an influential designer to inform design ideas	3	Internal
91068	Undertake development of design ideas through graphics practice	6	Internal
91069 *	Promote an organised body of design work to an audience using visual communication techniques	4	Internal

* Denotes literacy credits

For further information see - Mrs Morwenna Pannett

DESIGN TECHNOLOGY

Level: Year 11

Qualification: NCEA Level 1
up to 22 credits

The distinguishing feature of this subject is the involvement of students in designing solutions to practical problems using the design brief approach. Materials used change from year to year but could include: metal, timber, glass, plastics or concrete.

As part of this course the students are carrying out Building Construction Allied Trades (BCATS) units such as making a fence or building a pergola. We will use a Visual Diary to collect evidence for the above Standards.

As well as leading to further study at Polytechnic in construction and design courses, this programme prepares students for many practical situations in everyday life.

Course Outcomes

Students are encouraged to be innovative and explore available trade-related processes and tools to further widen their practical experience. It is also seen as important for students to gain solid fundamental design and sketching skills to complement practical knowledge. This course comprises four elements:

- design
- drawing
- safety
- practical project(s)

Course Outline

Standard	Title	Level	Credits	Assessment
91057	Implement basic procedures using resistant materials to make a specified product.	1	6	Internal
12932	Construct timber garden furniture and items of basic construction equipment as a BCATS project	2	8	Internal
24354	Demonstrate knowledge of and apply safe working practices in a BCATS workplace	2	4	Internal
31860	Construct & maintain a basic residential timber fence as a BCATS project	2	4	Internal

For further information see – Mr Mike Dixon

DIGITAL TECHNOLOGIES

Level: Year 11

Qualification: NCEA Level 1
up to 17 credits

Students develop knowledge and skills in using different technologies to create digital content for the web, interactive digital platforms and print.

Course Outcomes

On completion of this year, students should be able to:

- Develop solutions through widening the use of a technology and to address given briefs
- Demonstrate basic procedures of algorithms and programming.
- Select and implement basic procedures to produce specified digital outcomes.

Course Outline

Standard	Title	Credits	Assessment
91877 *	Develop a proposal for a digital outcome	3	Internal
91878 *	Develop a design for a digital outcome	3	Internal
91880 *	Develop a digital outcome	4	Internal
91883	Develop a computer program	4	Internal
91887 *	Demonstrate understanding of compression coding for a chosen media type	3	External

* *Denotes literacy credits*

For further information see - Ms Karen Blakemore

ENGLISH

Level: Year 11

Qualification: NCEA Level 1
up to 21 credits

This course is designed to meet the demands of NCEA and is tightly structured to cover internal and external requirements. You will need to develop steady work and revision habits, as well as being organised, in order to succeed in both internal assessments and external examinations. There is a mix of internally and externally assessed units this year. The work that you have done in Year 10 has been in preparation for this year. You need to gain 80 credits at Level One and there is the opportunity to gain up to 21 credits in English. You will need to gain 10 literacy credits in Level One. All credits in English are literacy standards. This course is entirely made up of Achievement Standards.

The course is designed to promote the student's understanding of language and to foster an appreciation and enjoyment of literature. The study of English focuses on the skills of:

Making Meaning: interpreting and analysing a range of written visual and oral texts.

Creating Meaning: communicating own ideas formally and informally in written, visual and oral strands.

Effective communication skills are strengthened through developing written, oral and visual fluency. Critical literacy skills are enhanced to support deepening analytical and creative thinking. Self-management is expected, as well as the ability to collaborate effectively with others.

Course Outline

Standard	Title	Credits	Assessment
90052	Produce creative writing	3	Internal
90053	Produce formal writing	3	Internal
90849	Show understanding of specified aspects of studied written text(s) with supporting evidence	4	External
90850	Show understanding of specified aspects of studied visual text with supporting evidence	4	External
90851	Show understanding of significant aspects of unfamiliar written texts through close reading, with supporting evidence	4	External
90855	Create a visual and verbal text	3	Internal
90857	Construct and deliver an oral presentation	3	Internal

For further information see – Mrs Wendy Coghlan

FASHION AND TEXTILES

Level: Year 11

Qualifications: NCEA Level 1
up to 16 credits

Prerequisite: It is highly recommended that students take Year 9 &10 Fashion and Textiles prior to this course however entry is accepted on an individual basis and at the discretion of the HOD of Visual Art.

Students will learn to:

In this course, students will learn how to use the design process to develop and produce garments, outfits or textile products for specific purposes. Students will develop knowledge and skills in planning, design, fashion drawing, pattern making, fit, construction and textiles. This subject promotes individual creativity and independence in developing a portfolio. Design competitions offer extension and an opportunity to express talents.

Student Outcome:

Students will model the practices of Fashion Designers as they explore solutions to a design brief. The major unit of work involves students developing and making an outfit for themselves and presenting a visual diary which sets out the planning and development of their design ideas.

Course Outline

Standard	Title	Credits	Assessment
91047	Undertake development to make a prototype to address a brief	6	Internal
91058	Implement basic procedures using textile material to make a specified product	6	Internal
91096	Make basic adaptations to a pattern to enable a design to fit a person or item.	4	Internal

For further information see - Mrs Morwenna Pannett

HOME ECONOMICS

Level: Year 11

Qualification: NCEA Level 1
up to 19 credits

This is an academic course for students who are keen to further their knowledge of Food and Nutrition. Students will study food hygiene, foods of different culture, individual nutritional needs and how advertisers use packaging information to influence consumers. It may be useful for students thinking about careers in nursing, childcare, dietetics, personal training, environmental health and teaching.

In Home Economics, students will be working toward gaining credits in Achievement Standards at NCEA Level 1. The coursework will be supported by practical foods sessions.

Course Outline

Standard	Title	Credits	Assessment
90956	Demonstrate knowledge of an individual's nutritional needs	5	Internal
90958	Demonstrate the understanding of how cultural practices influence eating patterns in New Zealand	5	Internal
90959	Demonstrate knowledge of practices and strategies to address food-handling issues.	5	Internal
90961	Demonstrate understanding of how packaging information influences an individual's food choices and well-being.	4	External

For further information see - Mrs Nicola Watson

HOSPITALITY

Level: Year 11

Qualifications: NCEA Level 1
Certificates of Achievement in
Cookery Skills 1 & 3
up to 21 credits

The course is designed as an introduction to working in a commercial kitchen environment. It is a hands-on course which would be useful for anyone planning a career in any area of the Hospitality Industry or who is passionate about food. There are eight unit standards, which are all internally assessed. Alternative unit standards can be substituted where students are not able to prepare particular foods for cultural or religious reasons.

Course Outline

Standard	Title	Credits	Assessment
15900	Prepare and present meat in the hospitality industry	4	Internal
15901	Prepare and present fruit and vegetables in the hospitality industry	3	Internal
15919	Prepare and present hot finger food in the hospitality industry	2	Internal
15920	Prepare and present stock, sauce and soup in the hospitality industry	2	Internal
15921	Prepare and cook a cake, a sponge and scones in the hospitality industry	3	Internal
19770	Prepare and present egg and cheese dishes in the hospitality industry	3	Internal
21058	Identify career pathways in the hospitality industry	2	Internal
21059	Demonstrate knowledge of knife care, use, storage and carrying for the hospitality industry.	2	Internal

For further information see – Mrs Nicola Watson

HUMANITIES

Level: Year 11

Qualification: NCEA Level 1
up to 22 credits

Why study Humanities? This course has been designed for the benefit of the student who wishes to study both the social science subjects of History and Geography without doing two separate courses. Humanities is the study of the 'Human Sciences', or 'the learning concerned with human society and culture'.

There is a one day ETOC to Arrowtown, where students will look at the different sources of information at the Arrowtown Museum and look around to see the changes that had happened, since the Gold Rush in 1861. For Geography, As 91009, there will be a one day trip to Te Anau, to study about Sustainable Tourism Development in and around Fiordland.

Course Outcomes

Humanities is a subject with many generic skills which cross over both 'the Sciences' and 'the Arts'. Employers today look for people who have good organisation and communication skills, and who have an understanding of what is happening in the world around them and the implications of this for society today and in the future.

Course Outline

Standard	Title	Credits	Assessment
<i>Geography</i>			
91009 *	Demonstrate geographic understanding of the sustainable use of an environment.	3	Internal
91013 *	Describe aspects of a geographic topic at a global scale.	3	Internal
91010 **	Apply concepts and basic geographic skills to demonstrate understanding of a given environment.	4	External
<i>History</i>			
91001 *	Carry out an investigation of an historical event, or place, of significance to New Zealanders	4	Internal
91002 *	Demonstrate understanding of an historical event, or place, of significance to New Zealanders	4	Internal
91004 *	Demonstrate understanding of different perspectives of people in an historical event significance to New Zealanders.	4	Internal
91005 *	Describe the causes and consequences of an historical event.	4	External
91006 *	Describe how a significant historical event affected New Zealand society	4	External

* Denotes literacy credits

** Denotes numeracy credits

Note:

- For Internals, the students can choose a total of 4 standards (mix of History and Geography) from the above internal list.
- For Externals, the student can do either one Geography and one History or they can do both History Standards.

For further information see - Mr. Dinesh Naidu

MATHEMATICS

Level: Year 11

Qualification: NCEA Level 1
up to 24 credits

Course Outcomes

Mathematics is a subject required or recommended for many career opportunities. A minimum of 10 credits in Mathematics is required for NCEA Level 1 Certificate of Educational Achievement and 10 credits in Numeracy are required for University Entrance.

Course Outline: A selection from the following standards up to a maximum of 24 credits:

Standard	Title	Credits	Assessment
AS 91026	Apply numeric reasoning in solving problems	4	Internal
AS 91027	Apply algebraic procedures in solving problems	4	External
AS 91028	Investigate relationships between tables, equations and graphs	4	External
AS 91029	Apply linear algebra in solving problems (optional for those not doing externals)	3	Internal
AS 91031	Apply geometric reasoning in solving problems	4	External
AS 91032	Apply right-angled triangles in solving measurement problems	3	Internal
AS 91035*	Investigate a given multivariate data set using the statistical enquiry cycle	4	Internal
AS 91036*	Investigate bivariate numerical data using the statistical enquiry cycle	3	Internal
AS 91037	Demonstrate understanding of chance and data	4	External

Assessment procedures

Students will be issued with a course outline in February. Standards marked with an asterisk (*) above are open-book assessments. It is highly recommended that students have a graphical calculator.

For further information see – Dr Jordana Norrish

PHYSICAL EDUCATION

Level: Year 11

Qualification: NCEA Level 1
up to 22 credits

Prerequisites: A genuine interest in physical activity with the motivation to extend personal abilities in games, sports, fitness and adventure-based learning activities. Students must be prepared to take part in swimming and a range of other challenging sports and activities as part of the course throughout the year.

This is a practical skills-based course with emphasis on physical activity, participation and study of relevant physical and well-being needs of Year 11 students. This course provides a broad general approach to the subject while emphasising individual achievement and the role of physical activity in healthy lifestyles.

Course Outline

Standard	Title	Credits	Assessment
90962	Participate actively in a variety of physical activities and explain factors that influence own participation	5	Internal
90963*	Demonstrate understanding of the function of the body as it relates to the performance of physical activity	5	Internal
90964	Demonstrate quality movement in the performance of a physical activity	3	Internal
90966*	Demonstrate interpersonal skills in a group and explain how these skills impact on others.	4	Internal
90967	Demonstrate strategies to improve the performance of a physical activity and describe the outcomes.	3	Internal
90969	Take purposeful action to assist others to participate in physical activity.	2	Internal

* Denotes literacy credits

For further information see – Mr Dale Kington

SCIENCE

Level: Year 11

Qualification: NCEA Level 1
up to 20 credits

Students will study four main modules of work throughout the year. The modules will be context based and will cover content from different areas of the Science curriculum. There will also be a local focus where students will use their learning to look at local scientific issues such as predator control and water use. A field trip will be part of the year's work where students will conduct a stream investigation.

Why Study Science?

Science is all about explaining the world around us and learning how things are connected to and affected by one another. In studying science, you are learning more about our world, why things happen and developing relevant investigative skills.

Year 11 Science leads to study of NCEA Biology, Chemistry and Physics. These are subjects that are needed for many varied courses and careers, including nursing, medicine, agriculture, science research, health, engineering, technical, hairdressing and food.

Course Outline

Standard	Title	Credits	Assessment
91920	Demonstrate understanding of the application of scientific investigative approaches	5	Internal
91921	Use science reasoning and methods to engage with a local socio-scientific issue	5	Internal
91922	Demonstrate understanding of how scientific ideas and processes develop and evolve	5	External
91923	Apply science thinking to scientific claims and how they are communicated	5	External

For further information see – Miss Llara MacGilloway or Ms Janelle Eason

VISUAL ART

Level: Year 11

Qualifications: NCEA Level 1
up to 22 credits

Prerequisite: It is highly recommended that students take Year 9 &10 Visual Art prior to this course however entry is accepted on an individual basis and at the discretion of the HOD of Visual Art.

This course is divided into three assignments. There are opportunities for personal input and expression, whilst creating links between your work and selected artist's models of influence.

Students will learn to:

- Investigate and analyse the relationship between various art works and why they are made, viewed and valued.
- Apply knowledge and skill of a range of ways of working to their own artwork.
- Generate, develop and clarify ideas showing understanding.
- Evaluate ideas and interpret artist's intentions in art works.

Student Outcome:

Students will use their research, knowledge and practical skills to create a body of work centred around a chosen concept or idea. Students will be able to use a percentage of their earlier internal assessments toward their external portfolio assessment, reducing the overall workload required for the portfolio.

Year 11 Visual Art requires a strong work ethic and interest in the subject in order to be successful.

Course Outline

Standard	Title	Credits	Assessment
90914	Use drawing methods and skill for recording information using wet and dry media	4	Internal
90915	Using drawing conventions to develop work in more than one field of practice	6	Internal
90916	Produce a body of work informed by established practice, which develops ideas, using a range of media	12	External

For further information see - Mrs Morwenna Pannett

Year 12 Options

ACCOUNTING

Level: Year 12

Qualification: NCEA Level 2 Accounting
up to 19 credits

Prerequisite: Level 1 Accounting

This course is an extension from Level 1 Accounting. A study of Accounting will enable students to understand the processes involved in recording, classifying, analysing and interpreting financial information.

Course Outcomes

The course has been designed to offer those students with an interest in commerce, the opportunity to learn some of the essential processes in Accounting and enable a better grasp of the topic for those students intending to undertake commerce to a higher level. This course is an extension from Level 1 Accounting.

Course Outline

Standard	Title	Credits	Assessment
91175	Demonstrate an understanding of accounting processing using accounting software	4	Internal
91176	Prepare financial information for an entity that operates accounting subsystems	5	External
91179	Demonstrate understanding of an accounts receivable subsystem for an entity	3	Internal
91386	Demonstrate understanding of a inventory subsystem for an entity	3	Internal
91174	Demonstrate an understanding of accounting concepts for an entity that operates an accounts subsystems	4	External

For further information see – Mrs Lynda Duncan

AGRICULTURE

Level: Year 12

Qualification: NCEA Level 2
up to 20 credits

Prerequisite: None, although it is preferable to have completed Level 1 Agriculture or have some on-farm experience.

Year 12 Agriculture Achievement Standards have a strong focus on animal husbandry so we will study a range of commercially farmed livestock in New Zealand. Feeding, breeding and health issues are covered.

Depending on student needs, a selection of standards from the list below will be selected to complete, totalling a maximum of 20 credits. There may be opportunities to spend time on a farm with a farmer and completing agricultural theory for the rest of the week. This will be decided on a case by case basis.

Course Outline

Standard	Title	Level	Credits	Assessment
AS 91923	Demonstrate understanding of livestock reproductive techniques in commercial production in New Zealand	2	4	Internal
AS 91925	Demonstrate understanding of interactions between livestock behaviour and NZ commercial management practices.	2	4	Internal
AS91928	Report on the environmental impact of the production of a locally produced primary product	2	4	Internal
AS91294	Demonstrate understanding of how NZ commercial management practices influence livestock growth and development	2	4	External
US19116	Demonstrate knowledge of livestock behaviour and welfare in a primary industry operation	2	3	Internal
US18191	Demonstrate knowledge of safe handling and health problems of dairy cattle, associated with milking.	2	3	Internal
US24623	Demonstrate knowledge of breeds and classes of cattle, and identification and records for cattle	2	2	Internal
US19145	Describe hydration, nutrition and sleep in relation to physical well-being of agricultural workers	2	4	Internal

A mixture of Achievement and Unit standards are offered, based on the student's needs.

Assessment Procedures

This course is internally assessed against Achievement Standards and Unit Standards. Endorsement is possible.

For further information see - Miss Sarah Stark

BIOLOGY

Level: Year 12

Qualification: NCEA Level 2
up to 22 credits

Prerequisite: Completion of a Level 1 Science course. No minimum level of achievement necessary.

Why Study Biology?

Not only does Biology connect us to the world we live in, but it also provides an excellent starting point for many specialised fields including employment in science research, government departments, medicine and health, teaching, management and administration. It also provides a starting point for many University and Polytechnic courses.

What is Biology? Simply put, it is the study of life - life in all of its grandeur. From the very small algae to the very large elephant, life has a certain wonder about it. Biology looks at intricate relationships and the inner workings of living things. Students are required to complete several modules of work including Gene Expression, Ecology, Applied Biology, Cell Structure and Function and Animal Form and Function. The course standards will be selected from the standards below and will be based on student interest.

Course Outline

Standard	Title	Credits	Assessment
91153	Carry out a practical investigation in a biology context, with supervision.	4	Internal
91155	Demonstrate understanding of adaptations of plants and animals to their way of life	3	Internal
91157	Demonstrate understanding genetic variation and change.	4	External
91158	Investigate a pattern in an ecological community, with supervision.	4	Internal
91159	Demonstrate understanding of gene expression.	4	External
91160	Investigate biological material at the microscopic level.	3	Internal
91190	Investigate how organisms survive in an extreme environment	4	Internal

For further information see – Miss MacGilloway

CAREER READY

Level: Year 12

Qualification: NCEA Level
up to 19 credits

This course is designed for students who have an interest in increasing their knowledge of the important skills needed when leaving school. Flatting, taxation, banking, job interviews are just a few of the topics to be covered in this course. This course comprises of unit standards and achievement standards.

Course Outline

Standard	Title	Credits	Assessment
4261	Identify legal rights and obligations in relation to motor vehicle ownership and operation	3	Internal
12349	Describe knowledge of time management	3	Internal
28097	Analyse and select banking products and services in relation to personal income	3	Internal
1294	Be interviewed in a formal interview	2	Internal
24695	Explain taxation and other deductions relating to personal income	2	Internal
24871	Complete complex forms	2	Internal
12354	Describe legal implications of living in rented accommodation and means to prevent and resolve related problems	4	Internal

For further information see – Mrs Lynda Duncan

CHEMISTRY

Level: Year 12

Qualification: NCEA Level 2
18 credits

Prerequisite: Completion of a Level 1 Science course. No minimum level of achievement necessary.

Why Study Chemistry?

Did you ever wonder how they make banana lollies taste and smell the way they do? Why are cutting wheels tipped with diamonds? Chemistry is the subject that will reveal the reasons behind these and many other questions. You will study the composition and properties of matter, and the changes it undergoes. There are a wide variety of topics ranging from how to find out what chemicals are in a substance, to how plastics are made. Practical work is an essential part of this course.

Chemistry is important as a subject in its own right but it is also relevant to fields such as nursing, medicine, hairdressing, agriculture and biology. It is a prerequisite subject for some tertiary study.

Course Outline

Standard	Title	Credit	Assessment
91911	Carry out an investigation into a chemical species present in a sample using qualitative analysis	3	Internal
91163	Demonstrate understanding of the chemistry used in the development of a current technology	3	Internal
91164	Demonstrate understanding of bonding, structure and energy changes	5	External
91165	Demonstrate understanding of the properties of selected organic compounds	4	External
91167	Demonstrate understanding of oxidation-reduction	3	Internal

For further information see – Ms Janelle Eason or Miss Llara MacGilloway

COMPUTING

Level: Year 12

Qualification: NCEA Level 2
up to 18 credits

This is a Unit Standards course where students develop knowledge and skills in using different technologies to create digital content for interactive digital platforms and print.

Course Outcomes

Students will learn digital technology systems and software to meet organisational requirements. They will also develop an understanding of office functions, financial transactions and data collection. You will acquire skills in spreadsheets, document design and database processing.

Course Outline

Standard	Title	Credits	Assessment
29772	Manage files and folders using digital devices	2	Internal
29773	Produce digital images for a range of digital media	3	Internal
29769	Use the main features and functions of a word processing application for a purpose	3	Internal
29770	Use the main features of a spreadsheet application for a purpose	3	Internal
29775	Use the main features and functions of a web authoring and design tool to create a website	3	
29776	Use the main features of an HTML editor to create a website	4	Internal

For further information see - Ms Karen Blakemore

DESIGN AND VISUAL COMMUNICATION

Level: Year 12

Qualification: NCEA Level 2
up to 18 credits

Prerequisite: Level 1 Design and Visual Communication or Level 1 Visual Art

Design and Visual communication is a subject where students solve design problems through briefs based on real life scenarios. These are based on real life scenarios which develop independent work ethics and promote individual thinking, learning and achievement.

This course will develop a solid foundational knowledge of formal drawing, informal drawing and presentation techniques so that students can apply this to the areas of spatial design and product design.

Design and Visual Communication is part of technology learning that has a pathway through to tertiary institutions. The ability to communicate ideas in a visual manner is essential for effective communication in a high-tech society. It involves developing knowledge, skills and the ability to think and work independently.

The Level 2 course involves Achievement Standards assessed externally and internally. The design brief approach of using lifelike scenarios, briefs and attributes is applied throughout the course with deeper emphasis on design problem solving techniques, articulation of ideas and the use of more complex formal and informal drawing systems and techniques.

Course Outline

Standard	Title	Credits	Assessment
91337	Use visual communication techniques to generate design ideas	3	External
91338	Produce working drawings to communicate technical details of a design	4	External
91339	Produce instrumental perspective projection drawings to communicate design ideas	3	External
91340	Use the characteristics of a design movement or era to inform own design ideas	3	Internal
91341	Develop a spatial design through graphics practice	6	Internal
91342	Develop a product design through graphics practice	6	Internal
91343	Use visual communication techniques to compose a presentation of a design	4	Internal

For further information see - Mrs Morwenna Pannett

DESIGN TECHNOLOGY

Level: Year 12

Qualification: NCEA Level 2
up to 24 credits

Prerequisite: The students will need to have 12 credits at NCEA Level 1 or 2 Technology.

The Year 12 Design Technology course is based on BCATS resources. BCATS stands for Building, Construction and Allied Trades which means a very practical course, involving a lot of outdoor construction activities. Students need to gain 41 credits from a list of prescribed Unit Standards to achieve their 'B Constructive Certificate'.

Course Outcomes

In the past we have completed tasks such building a deck, pergola, fences and several concrete paths. The tasks we complete are very much student-directed and are chosen based on the interests of the students and the availability of projects.

As an example from a previous year, the Year 12 and 13 students have completed the standards below:

Course Outline

Standard	Title	Credits	Assessment
12936	Construct a non-consent timber-framed utility building as a BCATS project	8	Internal
12933	Complete minor concrete works as a BCATS project	4	Internal
12927	Identify, select, use and maintain hand tools used for construction projects under supervision	6	Internal
24350	Identify, select, use and maintain portable power tools under supervision	6	Internal

For more information see – Mr Mike Dixon

DIGITAL TECHNOLOGIES

Level: Year 12

Qualification: NCEA Level 2
up to 17 credits

Students develop knowledge and skills in using different technologies to create digital content for the web, interactive digital platforms and print.

Course Outcomes

- Demonstrate the ability to apply advanced techniques to produce a specified digital outcome.
- Demonstrate accuracy and independence in the application of techniques, design elements, and testing procedures.

Course Outline

Standard	Title	Credits	Assessment
91891	Apply conventions to develop a design for a digital technologies' outcome	3	Internal
91892	Use advanced techniques to develop a database	4	Internal
91893	Use advanced techniques to develop a digital media outcome	4	Internal
91897	Use advanced processes to develop a digital technologies outcome	6	Internal

For further information see - Ms Karen Blakemore

ENGLISH

Level: Year 12

Qualifications: NCEA Level 2
up to 21 credits

Prerequisite: 12 credits in Level 1 English. *In 2022, English at Year 12 is highly recommended, but not compulsory.*

This course explores the two strands of the English Curriculum: Making Meaning (reading, listening and viewing – where you are being assessed on the quality of your understanding and interpretation of texts) and Creating Meaning (writing, speaking and presenting – where you are being assessed on how well you express your ideas through drafting, crafting and polishing your work) and the three modes of written, visual and oral language.

English will also help you to achieve University Entrance Literacy this year, and will support your growth as a writer across the curriculum. You will be required to read and appreciate literature and language, developing your analytical skills and ability to interpret text. In Level Two English you will work at Level 7 of the New Zealand Curriculum, where you “integrate sources of information, processes, and strategies purposefully, confidently, and precisely to identify, form, and express increasingly sophisticated ideas”.

Course Outcomes

NCEA Achievement of 12 credits gives automatic entry to the Level 3 course. Students’ will attempt to gain University Entrance by gaining 5 reading and 5 writing credits. The course will be made up from a selection of the standards below, in consultation with the classroom teacher.

Course Outline

Standard	Title	Credits	Assessment
91098 * <i>r</i> <i>w</i>	Analyse specified aspects(s) of studied written text(s) supported by evidence	4	External
91099 * <i>w</i>	Analyse specified aspects(s) of studied visual text(s) supported by evidence	4	External
91100 * <i>r</i> <i>w</i>	Analyse significant aspects of unfamiliar written text(s) through close reading, supported by evidence	4	External
91101 * <i>w</i>	Produce a selection of crafted and controlled writing	6	Internal
91102	Construct and deliver a crafted and controlled oral text	3	Internal
91106 * <i>r</i>	Form developed personal responses to independently read texts, supported by evidence	4	Internal

*Denotes UE Literacy credits *r – reading *w – writing*

For further information see – Mrs Wendy Coghlan

HOME ECONOMICS

Level: Year 12

Qualification: NCEA Level 2
19 credits

Prerequisite: Achievement at Level 1 is recommended (though not essential) and English Achievement Standard 1.9 is helpful.

The Home Economics course is an academic programme made up of three internal Achievement Standards and one external Standard contributing towards NCEA Level 2. The skills required for success include, reflective thinking, ability to study independently and undertake research using a wide variety of appropriate resources.

Students will study a sustainable food practice such as the Lumsden Community Garden, as well as looking at providing food to people who have special food needs and evaluating how well-being is looked after in a local care agency. This may be a useful subject for students thinking about careers in nursing, childcare, dietetics, personal training, environmental health and teaching.

Course Outline

Standard	Title	Credits	Assessment
91299	Analyse issues related to the provision of food for people with specific food needs.	5	Internal
91300	Analyse the relationship between well-being, food choices and determinants of health.	4	External
91302	Evaluate sustainable food related practices	5	Internal
91303	Analyse practices to enhance well-being used in care provision in the community	5	Internal

For further information see - Mrs Nicola Watson

HOSPITALITY

Level: Year 12

Qualifications: NCEA Level 2
Certificates of Achievement in
Cookery Schools 2 & 4
up to 18 credits

Prerequisite: Prior study at Year 11 is desirable.

Students are able to focus on a practical course which will involve selected unit standards, which are credited to both NZQA and the industry. Students will gain the basic skills and knowledge needed in the hospitality industry.

A strong focus will be Food Safety and Hygiene and effective management of both time and workspace. This would be a useful course to anyone considering a career in any sector of the Hospitality industry or who has a passion for food.

Course Outline

Standard	Title	Credits	Assessment
167	Practise food safety methods in the food industry	4	Internal
13276	Cook food by grilling in a commercial kitchen	2	Internal
13283	Prepare & present salads for service in a commercial kitchen	2	Internal
13285	Handle and maintain knives in a commercial kitchen	2	Internal
13271	Cook food by frying in a commercial kitchen	2	Internal
13278	Cook food by roasting in a commercial kitchen	2	Internal
13280	Prepare fruit and vegetables in a commercial kitchen	2	Internal
13281	Prepare & present sandwiches in a commercial kitchen	2	Internal

For further information see – Mrs Nicola Watson

HUMANITIES

Level: Year 12

Qualification: NCEA Level 2
up to 23 credits

Prerequisite: 7 credits in Year 11 Humanities or proficiency shown at Level 1 NCEA.

This course is an extension of the Year 11 Humanities course. It provides students with the opportunity to study both History - 'the interaction of humans with other humans over time and the resulting implications for today and the future'; and Geography - 'the interaction of humans with the land on which they live and the future implications resulting from these'.

Course Outcomes

Humanities is a subject with many generic skills which cross over both 'the Sciences' and 'the Arts'. Employers today look for people who have good organisation and communication skills, and who have an understanding of what is happening in the world around them and the implications of these for society today and in the future.

Course Outline

Standard	Title	Credits	Assessment
<i>Geography</i>			
91244 * <i>rn</i>	Conduct Geographic Research with Guidance.	5	Internal
91245 * <i>r</i>	Explain aspects of a contemporary New Zealand geographic issue.	3	Internal
91246 * <i>r</i>	Explain aspects of a geographic topic at a global scale.	3	Internal
91243 * <i>r</i>	Apply geographic concepts and skills to demonstrate understanding of a given environment.	4	External
<i>History</i>			
91229 * <i>r</i>	Carry out an inquiry of an historical event or place that is of significance to New Zealanders.	4	Internal
91230 * <i>r</i>	Examine an historical event or place that is significant to New Zealanders.	5	Internal
91232 * <i>r</i>	Interpret different perspectives of people in an historical event that is of significance to New Zealanders.	5	Internal
91233 * <i>rw</i>	Examine causes and consequences of a significant historical event.	5	External
91234 * <i>rw</i>	Examine how a significant historical event affected New Zealand society.	5	External

* Denotes UE literacy credits *r*- reading *w*- writing *n*- numeracy

Note:

- For Internals, the students can choose a total of 4 standards (mix of History and Geography) from the above internal list.
- For Externals, the student can do either one Geography and one History or they can do both History Standards.

For further information see - Mr. Dinesh Naidu

MATHEMATICS

Level: Year 12

Qualification: NCEA Level 2
up to 24 credits

Prerequisites: 10 Credits in NCEA Level 1 Mathematics (preferably including 91026, 91032 and 91037)

Course Outcomes

Students will gain up to 24 credits. This course prepares students for either Calculus or Statistics in Year 13.

Course Outline

A selection from the following standards will be offered:

Standard	Title	Credits	Assessment
AS 91256	Apply coordinate geometry methods in solving problems	2	Internal
AS 91259	Apply trigonometric relationships in solving problems	3	Internal
AS 91260	Apply networks in solving problems	2	Internal
AS 91262	Apply calculus methods in solving problems (optional)	5	External
AS 91264*	Use statistical methods to make an inference	4	Internal
AS 91267	Apply probability methods in solving problems	4	External
AS 91269	Apply systems of equations in solving problems	2	Internal

Assessment Procedures

A detailed assessment guide is issued to students in February. Standards marked by an asterisk (*) are open-book assessments. It is essential that students have a graphical calculator.

For further information see – Dr Jordana Norrish

PHYSICAL EDUCATION

Level: Year 12

Qualification: NCEA Level 2
up to 24 credits

Prerequisites: Previous study of NCEA Level 1 Physical Education and completed 14 credits or at the HOD discretion.

It is expected that participation in all of the activities will occur throughout the course. This will include swimming and a range of other activities throughout the year. There may be an Outdoor Education camp or a weekly activity depending on the class numbers.

Students will examine:

- Aspects of structure and functions of the human body in relation to activity and the role of activity in healthy living.
- Biomechanical factors involved in movement and principles underlying skill acquisition.
- Social perspectives on physical activity and sport
- Applied aspects of exercise and activity (principles and methods of training).

Course Outline

Standard	Title	Credits	Assessment
91328	Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills.	5	Internal
91329	Demonstrate understanding of the application of biophysical principles to training for physical activity	4	Internal
91330	Perform a physical activity in an applied setting	4	Internal
91331	Examine the significance for self, others and society of a sporting event, a physical activity, or a festival	4	Internal
91332 *	Evaluate leadership strategies that contribute to the effective functioning of a group.	4	Internal
91334 *	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity.	3	Internal

* If possible, these assessments will be linked to EOTC activities such as a camp or multiple day trips.

For further information see – Mr Dale Kington

PHYSICS

Level: Year 12

Qualification: NCEA Level 2
up to 23 credits

Prerequisite: Reasonable credit attainment in Level 1 Science and Mathematics.

Why Study Physics?

Although Physics is important as a subject and career in its own right, most of those who are studying Physics are interested in it because it is necessary for medical, engineering or technical careers. Physics is a prerequisite for some tertiary courses. The course standards will be selected from the standards below and will be based on student interest and future pathways.

Course Outline

Standard	Title	Credits	Assessment
91168	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	4	Internal
91169	Demonstrate understanding of physics relevant to a selected context	3	Internal
91171	Demonstrate understanding of mechanics	6	External
91172	Demonstrate understanding of atomic and nuclear physics	3	Internal
91170	Demonstrate understanding of waves	4	External
91173	Demonstrate understanding of electricity and electromagnetism	6	External
91193	Demonstrate understanding of physical principles related to the Earth System	4	External

For further information see – Miss MacGilloway

TOURISM

Level: Year 12

Qualification: NCEA Level 2
up to 16 credits

Tourism is witnessing huge global growth every year and it is forecast to grow far into the future. Growth means that more and more skilled workers are needed all over the world. By studying Tourism, you give yourself the skills and knowledge to be a part of this growth.

We work closely with Service IQ (Aviation, Tourism and Training Organisation) and the New Zealand School of Tourism.

Course Outcomes

This course provides an introduction to the importance of Tourism to the economy. Students learn about what Tourism is and why it is such an important business. Students develop practical work-related skills and learn about tourist destinations here in New Zealand and overseas.

Course Outline

Standard	Title	Level	Credit	Assessment
24733	Describe and promote a NZ tourist destination	3	5	Internal
18237	Perform calculations for a tourism workplace	2	3	Internal
24724	Demonstrate knowledge of the history of tourism	2	4	Internal
24731	Demonstrate knowledge of destination New Zealand	2	4	Internal

The above standards are a mixture of Level 2 and Level 3 and are aimed towards both Year 12 and Year 13 students.

For further information see - Ms Karen Blakemore

VISUAL ART

Level: Year 12
up to 20 credits

Qualifications: NCEA Level 2

Prerequisite: A successful year in Year 11 Visual Art unless otherwise specified on an individual basis at the discretion of the HOD of Visual Art.

This course is divided into three assignments. Students can select to investigate one of the following artistic fields: painting, printmaking, photography or design.

Students will learn to:

- Research and analyse influences relevant to their own artwork and those of recognised established artists.
- Apply understanding from research and extend skills in a range of materials, techniques and technologies.
- Generate, analyse, clarify and extend ideas in a selected field related to established practice. Use a systematic approach toward the development of ideas in a body of work.
- Use analysis to interpret and respond to artworks.

Student Outcome

Students will use their research, critiquing and practical skills to create a body of art work centred around a chosen concept or idea. Students will be able to use a percentage of their earlier internal assessments toward their external portfolio assessment, reducing the overall workload required for the portfolio. Year 12 Visual Art encourages students to have a strong work ethic, resilience, and to be creative.

Course Outline

Standard	Title	Credits	Assessment
91310 (design) 91311 (painting) 91312 (photography) 91313 (printmaking)	Use drawing methods to apply knowledge of conventions appropriate to design/painting/photography/printmaking	4	Internal
91315 (design) 91316 (painting) 91317 (photography) 91318 (printmaking)	Develop ideas in a related series of drawings appropriate to established design/painting/photography/printmaking practice	4	Internal
91320 (design) 91321 (painting) 91322 (photography) 91323 (printmaking)	Produce a systematic body of work that shows understanding of art making conventions and ideas within design/painting/photography/printmaking	12	External

For further information see - Mrs Morwenna Pannett

Year 13 Options

ACCOUNTING

Level: Year 13

Qualification: NCEA Level 3 Accounting
up to 18 credits

Prerequisite: Level 2 Accounting

This course is an extension from Level 2 Accounting. A study of Accounting will enable students to understand the processes involved in recording, classifying, analysing and interpreting financial information.

Course Outcomes

The course has been designed to offer those students with an interest in commerce, the opportunity to learn some of the essential processes in Accounting and enable a better grasp of the topic for those students intending to undertake commerce to a higher level.

Course Outline

Standard	Title	Credits	Assessment
91405	Demonstrate an understanding of accounting for partnerships	4	Internal
91406	Demonstrate understanding of company financial statement preparation	5	External
91407	Prepare a report for an external user that interprets the annual report of a New Zealand reporting entity	5	Internal
91409	Demonstrate understanding of a job cost subsystem for an entity	4	Internal

For further information see – Mrs Lynda Duncan

AGRICULTURE

Level: Year 13

Qualification: NCEA Level 3
up to 30 credits

Prerequisite: Students should have achieved 12 credits in Achievement Standards in Level 2 Agriculture. Or students must have 12 credits from Level 2 English.

Level 3 Agriculture sees students studying the business aspect of Primary Industries. Aspects of horticulture will be studied as well as New Zealand's contribution to feeding the world.

There is a possibility of Unit Standards being made available, however students must have regular work on a farm or be willing to complete up to two days each week on a farm with a farmer, with time spent on Agricultural theory during the rest of the week.

Course Outline

Standard	Title	Level	Credits	Assessment
AS91528	Carry out an investigation into an aspect of a New Zealand primary product or its production	3	4	Internal
AS91529	Research and report on the impact of factors on the profitability of a New Zealand primary product	3	6	Internal
*AS91871 (Agribusiness)	Analyse how a product meets market needs through innovation in the value chain	3	4	Internal
AS91531	Demonstrate understanding of how the production process meets market requirement for a New Zealand primary product(s)	3	4	External
AS91532	Analyse a New Zealand primary production environmental issue	3	5	External

Assessment Procedures

Level 3 Agriculture does allow University Entrance and Course Endorsements.

*Will not contribute to Agriculture UE as Agribusiness is considered a separate subject.

For further information see - Miss Sarah Stark

BIOLOGY

Level: Year 13

Qualification: NCEA Level 3
up to 19 credits

Prerequisite: Completion of a Level 2 Biology course. No minimum level of achievement necessary. Exceptions on a case by case basis.

Why Study Biology?

Biology provides an excellent starting point for many specialised fields including employment in science research, government departments, medicine and health, teaching, management, administration. It also provides a starting point for many University and Polytechnic courses.

Biology looks at intricate relationships and the inner workings of living things. Students are required to complete several modules of work including Macro-evolution, Homeostasis, Socio-scientific issues, Human Evolution and an Ecological investigation. The course standards will be selected from the standards below and will be based on student interest and future pathways.

Course Outline

Standard	Title	Credits	Assessment
91601	Carry out a practical investigation in a biological context, with guidance	4	Internal
91602 * <i>rw</i>	Integrate biological knowledge to develop an informed response to a socio-scientific issue.	3	Internal
91603 * <i>rw</i>	Demonstrate understanding of the responses of plants and animals to their external environment	5	External
91604 * <i>r</i>	Demonstrate understanding of how an animal maintains a stable internal environment	3	Internal
91605 * <i>rw</i>	Demonstrate understanding of evolutionary processes leading to speciation.	4	External
91606 * <i>rw</i>	Demonstrate understanding of trends in human evolution.	4	External
91607 * <i>r</i>	Demonstrate understanding of human manipulations of genetic transfer and its biological implications	3	Internal

* Denotes UE Literacy credits

r – reading *w* - writing

For further information see – Miss MacGilloway

CALCULUS

Level: Year 13

Qualification: NCEA Level 3
up to 24 credits

Prerequisites: A minimum of 12 credits in NCEA Level 2 Mathematics, especially including AS91262.

Course Outcomes

Students will gain between 16 and 24 credits. This course covers all the standards that are required for entry into Engineering programmes at University.

Course Outline: A selection from the following standards

Standard	Title	Credits	Assessment
AS 91573	Apply the geometry of conic sections in solving problems	3	Internal
AS 91575	Apply trigonometry methods in solving problems	4	Internal
AS 91577	Apply the algebra of complex numbers in solving problems (optional instead of 91587)	5	External
AS 91578	Apply differentiation methods in solving problems	6	External
AS 91579	Apply integration methods in solving problems	6	External
AS 91587	Apply systems of simultaneous equations in solving problems (optional instead of AS 91577).	3	Internal

Assessment Procedures

A detailed assessment guide is issued to students in February. It is essential that students buy a graphical calculator.

For further information see – Dr Jordana Norrish

CAREER READY

Level: Year 13

Qualification: NCEA Level 3
L2 - 7 credits
L3 - 13 credits

This course is designed for students who have an interest in increasing their knowledge of the important skills needed when leaving school. This course is an extension from the Level 2 Career course. Buying your first home, credit options, Xero software, are a few of the topics to be covered in this course. A chance to also update your CV, review your interviewing skills, and revise your knowledge of important life skills. This course will comprise of Level 2 and Level 3 credits.

Course Outline

Standard	Title	Credits	Assessment
1979	Describe employment agreements	3	Internal
1980	Describe, from an employee perspective, ways of dealing with employment relationship problems	3	Internal
28098	Evaluate options to increase personal income	3	Internal
28099	Analyse credit options and select strategies to manage personal finances	3	Internal
28103	Analyse and select personal financing options for purchasing a property	4	Internal
91175	Demonstrate understanding of accounting processing using accounting software	4	Internal

For further information see – Mrs Lynda Duncan

CHEMISTRY

Level: Year 13

Qualification: NCEA Level 3
19 credits

Prerequisite: NCEA Level 2 Chemistry - 12 credits. Exceptions can be made on a case-by-case basis.

Why Study Chemistry?

The course may be used as preparation for University and Polytechnic-based courses and for a wide variety of careers in industry, research, government departments, medicine and health, teaching, management, administration and agriculture.

There are a wide variety of topics ranging from using spectroscopy to find out what chemicals are in a substance, electrochemistry and why batteries die, how to make things smell like bananas or fish and why certain chemicals behave the way they do. Calculation topics require the use of basic mathematical methods and simple algebra. Practical work is an essential part of this course.

Course Outline

Standard	Title	Credits	Assessment
91388	Demonstrate understanding of spectroscopic data in chemistry	3	Internal
91389	Demonstrate understanding of chemical processes in the world around us	3	Internal
91390	Demonstrate understanding of thermochemical principles and the properties of particles and substances	5	External
91391	Demonstrate understanding of the properties of organic compounds	5	External
91393	Demonstrate understanding of oxidation-reduction processes	3	Internal

For further information see – Ms Janelle Eason or Miss Llara MacGilloway

DESIGN AND VISUAL COMMUNICATION

Level: Year 13

Qualification: NCEA Level 3
up to 28 credits

Prerequisite: Level 2 Design and Visual Communication

Design and Visual communication is a subject where students solve design problems through briefs based on real life scenarios. These are based on real life scenarios which develop independent work ethics and promote individual thinking, learning and achievement.

This course will develop a solid foundational knowledge of formal drawing, informal drawing and presentation techniques so that students can apply this to the areas of spatial design and product design.

Design and Visual Communication is part of technology learning that has a pathway through to tertiary institutions. The ability to communicate ideas in a visual manner is essential for effective communication in a high-tech society. It involves developing knowledge, skills and the ability to think and work independently.

The Level 3 course follows on from Level 2 and is an Achievement Standards course. Students may select the standards they wish to attempt from both internal and external standards. It allows students to gain credits using design briefs to resolve problems that require specialised graphics knowledge. Students will be expected to select and use a range of suitable drawing systems and computer programmes, communicate ideas, evaluate thinking and information and present these in appropriate modes. Again, there is an expectation that students will work independently to achieve subject endorsements. Scholarship is available to students who wish to extend 'excellence' grades achieved in the 3 Achievement Standards chosen.

Course Outline

Standard	Title	Credits	Assessment
91627	Initiate ideas through exploration	4	External
91628	Develop a visual presentation that exhibits a design outcome to an audience	6	Internal
91629	Resolve a spatial design through graphic practice	6	Internal
91630	Resolve a product design through graphics practice	6	Internal
91631	Produce working drawings to communicate production details for a complex design	6	External

For further information see - Mrs Morwenna Pannett

DESIGN TECHNOLOGY

Level: Year 13

Qualification: NCEA Level 3
up to 24 credits

Prerequisite: Students will need to have 24 credits at NCEA Level 2 Design Technology.

The Year 13 Design Technology course is based on BCATS resources. BCATS stands for Building, Construction and Allied Trades which means a very practical course, involving a lot of construction activities.

Course Outcomes

The course is based around one central Unit Standard 29684 which is worth **12 credits**. The students can then choose the other units that they wish to complete from a list of seven other standards. There are 28 remaining credits to choose from and **they can select up to 12 of these, giving the student up to 24 possible credits**. These units require a level of independence and accuracy which means they are not possible, without having completed our Level 2 BCATS course.

In the past we have completed tasks such building a deck, pergola, fences, tables and concrete paths. The tasks we complete are very much student-directed and are chosen based on the availability of projects.

Course Outline

Standard	Title	Credits	Assessment
29684	Undertake a Stage 3 BCATS project (core)	12	Internal
29677	Follow safe workplace practices, and contribute to a health and safety culture, in a BCATS environment	2	Internal
29678	Demonstrate knowledge of, select, and use materials for a Stage 3 BCATS project	4	Internal
29679	Develop and use project documentation for a Stage 3 BCATS project	8	Internal
29680	Communicate and work collaboratively in a Stage 3 BCATS project	5	Internal
29681	Measure and calculate for a Stage 3 BCATS project	3	Internal
29682	Select, use, and maintain tools, equipment and machinery for a Stage 3 BCATS project	4	Internal
29683	Incorporate other building, construction and allied trades into a Stage 3 BCATS project schedule	2	Internal

For more information see – Mr Mike Dixon

ENGLISH

Level: Year 13

Qualifications: NCEA Level 3 and Scholarship
up to 21 credits

Prerequisite: 12 credits in NCEA Level 2 English.

This course explores the two strands of the English Curriculum: Making Meaning (reading, listening and viewing – where you are being assessed on the quality of your understanding and interpretation of texts) and Creating Meaning (writing, speaking and presenting – where you are being assessed on the quality of crafting and expression of your ideas) and the three modes of written, visual and oral language. English will also help you to achieve University Entrance (as an approved subject) and will support your growth as a writer across the curriculum. This is an academic course where you will be required to read and appreciate literature and language. You will develop critical skills and be required to interpret and evaluate texts. This course prepares you for Scholarship English if you choose to take it.

This course is set at Level 8 of the New Zealand Curriculum, requiring students to “integrate sources of information, processes, and strategies purposefully, confidently and precisely to identify, form, and express increasingly sophisticated ideas”.

Course Outline

Standard	Title	Level	Credits	Assessment
91472 <i>*rw</i>	Respond critically to specified aspects of studied written texts	3	4	External
91473 <i>*w</i>	Respond critically to specified aspects of studied visual text supported by evidence	3	4	External
91474 <i>*rw</i>	Respond critically to significant aspects of unfamiliar text through close reading supported by evidence	3	4	External
91475 <i>*w</i>	Produce a selection of fluent and coherent writing which develops, sustains and structures ideas	3	6	Internal
91476	Create and deliver a fluent and coherent oral text which develops sustains and structures ideas	3	3	Internal
91480	Respond critically to significant aspects of visual text through close reading supported by evidence	3	3	Internal
91478	Respond critically to significant connections across texts, supported by evidence.	3	4	Internal

* Denotes UE Literacy credits *r* – reading *w* – writing

For further information see - Mrs Wendy Coghlan

GEOGRAPHY

Level: Year 13

Qualification: NCEA Level 3 / Scholarship
up to 17 credits

Prerequisite: 7 credits in Year 12 Humanities or proficiency shown at Level 2 NCEA.

This course is aimed at the student who wishes to pursue the Humanities subject of Geography in more depth and detail. The course is in two sections:

External Components – if the students opt to do Geography AS 91427, then they will study how and why tourism operates in Queenstown, looking at both the spatial and temporal dimensions, as well as the economic, socio-cultural and environmental impacts of tourism development. While for Geography AS 91429, students will be studying different aspects of Geographical skills during the year as part of their internal assessment.

Course Outcomes

Geography is a subject with many generic skills which cross over both ‘the Sciences’ and ‘the Arts’. Employers today look for people who have good organisation and communication skills, and who have an understanding of what is happening in the world around them and the implications of these for society now and in the future. This is a very useful, practical subject with many links to work in such areas as development, resource management and tourism.

NB: *Level 3 Geography requires students to write three substantial sized written reports over the course of the year as well as two (based on which standards they choose) written components in the examination.*

Course Outline

Standard	Title	Credits	Assessment
91427 * <i>rw</i>	Demonstrate understanding of how a cultural process shapes a geographic environment(s) <i>(Queenstown Tourism Development)</i>	4	External
91429 * <i>rw</i>	Demonstrate understanding of a given environment(s) through selection and application of geographic concepts and skills.	4	External
<i>Note: For externals, the student(s) can opt to do one or both the standards.</i>			
91428 * <i>r</i>	Analyse a significant contemporary event from a geographic perspective. <i>(Kepler Challenge)</i>	3	Internal
91431 * <i>r</i>	Analyse aspects of a contemporary geographic issue. <i>(Haast-Hollyford Highway Issue)</i>	3	Internal
91432 * <i>r</i>	Analyse aspects of a geographic topic at a global scale. <i>(Global Tourism)</i>	3	Internal

* Denotes UE literacy credits *r* – reading *w* – writing

For further information, see - Mr. Dinesh Naidu

HISTORY

Level: Year 13

Qualification: NCEA Level 3 / Scholarship
up to 21 credits

Prerequisite: 4 credits in the History component of Year 12 Humanities or proficiency shown in Level 2 English.

This course is aimed at the student who wishes to pursue the Humanities subject of History in more depth and detail.

In the internal standards, students will research independently following all correct historical protocols, followed by high quality presentations.

The theme for the year is 'Modern International Relations' and focuses on two main components:

1. Genocide - Inquiry and written report. This will also be the topic for the external examination.
2. The Cold War - Written report on different 'perspectives'.

Students who do this course will be **expected to have sound inquiry, reading and writing capabilities** as the internals require lengthy reports and the external examination will require them to write an essay.

Course Outcomes

History is a subject with many literacy and organisational skills. Employers today like students who can organize their own time over lengthy periods, and who can produce well written and presented work. *This course should only be attempted by students who are very keen on history. There is an expectation that students will conduct lengthy independent research followed by a written report.*

Course Outline

Standard	Title	Credits	Assessment
91434 * _r	Research an historical event or place of significance to New Zealanders, using primary and secondary sources. <i>(Student selected recent genocide)</i>	5	Internal
91435 * _r	Analyse an historical event, or place, of significance to New Zealanders. <i>(On the student selected genocide)</i>	5	Internal
91437 * _r	Analyse different perspectives of a contested event of significance to New Zealanders. <i>(Student selected Cold War event)</i>	5	Internal
91438 * _{rw}	Analyse the causes and consequences of a significant historical event. <i>(Exam essay on the student selected genocide)</i>	6	External

* Denotes UE literacy credits _r – reading _w – writing

For further information see - Mr. Dinesh Naidu

HOME ECONOMICS

Level: Year 13

Qualification: NCEA Level 3
up to 19 credits.

Prerequisite: Prior study at Year 11 and Year 12 is desirable.

This is a comprehensive academic programme and requires a commitment to independent study. Three internal Achievement Standards and one external Standard will be undertaken in this programme which will contribute towards NCEA Level 3. The skills required for success include, critical thinking, ability to study independently and undertake research using a wide variety of appropriate resources.

Students will study a nutritional issue of current interest in New Zealand and come up with a plan to address this in our local community. They will also look at the impact of a multi-national corporation has on our eating patterns and analyse the influences of food advertising on our well-being. This may be a useful subject for students thinking about careers in healthcare, childcare, dietetics, personal training, environmental health and teaching.

Course Outline

Standard	Description	Credits	Assessment
91466	Investigate a nutritional issue affecting the well-being of New Zealand society.	5	Internal
91467	Implement an action plan to address a nutritional issue affecting the well-being of New Zealand society.	5	Internal
91469	Investigate the influence of multi-national food corporations on eating patterns in New Zealand	5	Internal
91471	Analyse the influences of food advertising on well-being	4	External

For further information see - Mrs Nicola Watson

PHYSICAL EDUCATION

Level: Year 13

Qualification: NCEA Level 3
20 PE/14 H credits

Prerequisite: Proven academic success in Level 2 Physical Education (completed 14 credits) or with approval by HOD PE. This is a demanding course.

It is expected that participation in all of the activities will occur throughout the course. This will include swimming and range of other activities throughout the year. There may be an Outdoor Education camp or a weekly activity depending on the class numbers. The outdoor activity will provide an alternative assessment opportunity using Either Achievement Standards or Unit Standards. Physical Education at Level 3, to be fully successful, needs to extend beyond the school and the school day.

Students will be encouraged to explore more fully the content that was examined in Level 2 Physical Education. There will be an emphasis throughout on critical discussion of exercise, sport and biophysical principles, and of the role of physical activity in society.

Students may also choose to complete the internal Health Standards as part of the course if these are better suited to their future study plans. These will run in conjunction with the PE course. Students need to show a high level of academic ability to complete these standards. They will not be able to gain 14 credits for UE or an endorsement if they choose to do these standards.

Course Outline

Standard	Title	Credits	Assessment
91499	Analyse a physical skill performed by self or others	3	Internal
91501	Demonstrate quality performance of a physical activity in an applied setting.	4	Internal
91502 * r	Examine a current physical activity event, trend, or issue and its impact on New Zealand society	4	Internal
91503	Evaluate the use of health promotion to influence participation in physical activity.	5	Internal
91505 * r	Examine contemporary leadership principles applied in physical activity contexts.	4	Internal
<i>Health Standards</i>			
91461* r	Youth resilience in our community and beyond	5	Internal
91463* r	Evaluate health practices currently used in New Zealand	5	Internal
91464* r	Analyse a contemporary ethical issue in relation to well-being	4	Internal

* Denotes UE Literacy credits

r – reading

Note: Where possible some units of work will be linked to EOTC experiences

For further information see – Mr Dale Kington

PHYSICS

Level: Year 13

Qualification: NCEA Level 3
up to 21 credits

Prerequisite: A minimum of 12 credits in NCEA Level 2 Mathematics and Physics.

Why Study Physics?

Although Physics is important as a subject and career in its own right, most of those who are studying Physics are interested in it because it relates to the medical, engineering or technical career they plan, or because it supports the other science topics they are studying.

Course Outcomes

This course may be used in preparation for University and Polytechnic courses in Physics and for a wide variety of careers in medicine, health, engineering or technology. The course standards will be selected from the standards below and will be based on student interest and future pathways.

Course Outline

Standard	Title	Credits	Assessment
91521	Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	4	Internal
91523	Demonstrate understanding of wave systems	4	External
91524	Demonstrate understanding of mechanical systems	6	External
91525	Demonstrate understanding of Modern Physics	3	Internal
91527 * _r	Use physics knowledge to develop an informed response to a socio-scientific issue	3	Internal
91526	Demonstrate understanding of electrical systems	6	External

* Denotes UE literacy credits _r = reading

For further information see – Miss MacGilloway

STATISTICS

Level: Year 13

Qualification: NCEA Level 3
up to 24 credits

Prerequisite: 12 credits in Level 2 NCEA Mathematics, especially 91267.

Course Outcomes

Students will gain between 16 and 24 credits and will be able to gain one University Entrance subject by achieving all the internal standards only. This course is a general course which helps students to prepare for a range of tertiary programmes.

Course Outline: A selection of the following standards will be offered:

Standard	Title	Credits	Assessment
AS 91574	Apply linear programming methods in solving problems	3	Internal
AS 91576	Use critical path analysis in solving problems	2	Internal
AS 91580*	Investigate time series data	4	Internal
AS 91581*	Investigate bivariate measurement data	4	Internal
AS 91584	Evaluate statistically based reports	4	External
AS 91586	Apply probability distributions in solving problems (optional)	4	External
AS 91587	Apply systems of simultaneous equations in solving problems	3	Internal

Assessment Procedures

A detailed assessment statement is issued to students in February. Standards marked by an asterisk (*) are open-book assessments. It is highly recommended that students have a graphical calculator.

For further information see – Dr Jordana Norrish

TOURISM

Level: Year 13

Qualification: NCEA Level 3
up to 16 credits

Tourism is witnessing huge global growth every year and it is forecast to grow far into the future. Growth means that more and more skilled workers are needed all over the world. By studying Tourism, you give yourself the skills and knowledge to be a part of this growth.

We work closely with Service IQ (Aviation, Tourism and Training Organisation) and the New Zealand School of Tourism.

Course Outcomes

This course provides an introduction to the importance of Tourism to the economy. Students learn about what Tourism is and why it is such an important business. Students develop practical work-related skills and learn about tourist destinations here in New Zealand and overseas.

Course Outline

Standard	Title	Level	Credit	Assessment
24733	Describe and promote a NZ tourist destination	3	5	Internal
18237	Perform calculations for a tourism workplace	2	3	Internal
24724	Demonstrate knowledge of the history of tourism	2	4	Internal
24731	Demonstrate knowledge of destination New Zealand	2	4	Internal

The above standards are a mixture of Level 2 and Level 3 and are aimed towards both Year 12 and Year 13 students.

For further information see - Ms Karen Blakemore

VISUAL ART

Level: Year 13
up to 22 credits

Qualifications: NCEA Level 3

Prerequisite: In order to study Year 13 Visual Art, you must have studied and passed Year 12 Visual Art unless otherwise specified on an individual basis at the discretion of the HOD of Visual Art.

Overview

The Level 3 course involves three Achievement Standards assessed internally and externally. Achievement based criteria for assessments exist for identified learning outcomes within each Achievement Standard. Students will learn to research and analyse circumstances relevant to their intentions and to the expression of meanings in their own work. Apply understanding from broad and deep research into the materials, techniques and technologies in a selected field. Extend and refine skills using appropriate processes and procedures. Generate, analyse, clarify and regenerate options in response to a concept or a proposal in a chosen field. Use a systematic approach, selectively informed by recent and established practice, to develop ideas in a body of work. Critically reflect on, respond to, and evaluate art works.

Student Outcomes

Students become young artistic practitioners where their deepened research, critical thinking, and practical skills flourish to create a succinct body of work centred around a chosen concept or idea. Students will be able to use a percentage of their earlier internal assessments toward their external portfolio assessment, reducing the overall workload required for the portfolio.

Year 13 Visual Art encourages students to have a strong work ethic, resilience, and to be creative.

Course Outline

Standard	Title	Credits	Assessment
91445 (design) 91446 (painting) 91447 (photography) 91448 (printmaking)	Use drawing to demonstrate understanding of conventions appropriate to design/painting/photography/printmaking	4	Internal
91450 (design) 91451 (painting) 91452 (photography) 91453v2 (printmaking)	Systematically clarify ideas using drawing informed by established design/painting/photography/printmaking practice	4	Internal
91455v2 (design) 91456v2 (painting) 91457v2 (photography) 91458v2 (printmaking)	Produce a systematic body of work that integrates conventions and regenerates ideas within design/painting/photography/printmaking practice	14	External

For further information see - Mrs Morwenna Pannett

NOTES