

Year 12

Options

ACCOUNTING

Level: Year 12
up to 19 credits

Qualification: NCEA Level 2 Accounting

Prerequisite: Level 1 Financial Literacy

This course is an extension from Level 1 Financial Literacy. 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
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 an 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
up to 20 credits

Qualification: NCEA Level 2

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.

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
US24623	Demonstrate knowledge of breeds and classes of cattle, and identification and records for cattle	2	2	Internal
US24641	Describe the features, attributes, identification, and records for sheep	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
up to 20 credits

Qualification: NCEA Level 2

Prerequisite: Completion of a Level 1 Science course. Preferably at least 10 credits from Level 1 Science. Exceptions may be considered on a case-by-case basis.

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 - 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
91156	Demonstrate understanding of life processes at the cellular level	4	External
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

For further information see – Miss MacGilloway

CAREER READY

Level: Year 12
up to 23 credits

Qualification: NCEA Level 2

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 is a full unit standard course.

Course Outline (students may not complete all of these and different standards may be offered)

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
12355	Describe strategies for managing stress	3	Internal
24695	Explain taxation and other deductions relating to personal income	2	Internal
1979	Describe employment agreement	3	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/Miss Sarah Stark/Ms Jeanna Rodgers

CHEMISTRY

Level: Year 12
up to 18 credits

Qualification: NCEA Level 2

Prerequisite: Completion of a Level 1 Science course. Preferably at least 10 credits from Level 1 Science. Exceptions may be considered on a case-by-case basis.

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 – Miss Llara MacGilloway

COMPUTING

Level: Year 12
up to 18 credits

Qualification: NCEA Level 2

This is a Unit Standards course where students develop knowledge and skills in using different technologies to manage and develop digital content for an organisational environment.

Course Outcomes

Students will be able to use digital technology systems and software to develop a range of content for organisational requirements. They will also develop an understanding of office functions and effective file management processes. They will acquire skills in presentation development, document design, and website development.

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	4	Internal
29774	Use the main features and functions of a desktop publishing application to create documents for a purpose	4	Internal
29771	Use the main features and functions of a presentation 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	Internal

For further information see – Mr Shaw

DESIGN TECHNOLOGY

Level: Year 12
up to 24 credits

Qualification: NCEA Level 2

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
up to 16 credits

Qualification: NCEA Level 2

Students develop knowledge and skills in using digital technologies to design and develop digital outcomes such as websites and computer programs.

Course Outcomes

- Demonstrate the ability to apply advanced techniques to develop a digital media outcome
- Apply conventions from a specified digital technology area to develop a design for a digital technology outcome
- Demonstrate accuracy and independence in the application of techniques, design elements, and testing procedures
- Demonstrate their ability to use advanced programming techniques to develop algorithms for a computer program

Course Outline

Standard	Title	Credits	Assessment
91891	Apply conventions to develop a design for a digital technologies outcome	3	Internal
91893	Use advanced techniques to develop a digital media outcome	4	Internal
91896	Use advanced programming techniques to develop a computer program	6	Internal
91899	Present a summary of developing a digital outcome	3	External

For further information see – Mr Shaw

ENGLISH

Level: Year 12
up to 21 credits

Qualification: NCEA Level 2

Prerequisite: 10 credits in Level 1 English. *In 2026, English and Maths at Year 12 are highly recommended, but not compulsory.*

In Level Two English, students will continue to develop and implement their reading and writing skills across a range of text types and a variety of genres. They will produce a writing portfolio and will complete responses to texts they have read. Students will demonstrate understanding within, across and beyond texts. English is a pathway to achieving University Entrance Literacy this year.

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	UER*	UEW+	Credits	Int/Ext
91098	Analyse specified aspects(s) of studied written text(s) supported by evidence	Y	Y	4	EX
91099	Analyse specified aspects(s) of studied visual text(s) supported by evidence	Y	Y	4	EX
91100	Analyse significant aspects of unfamiliar written text(s) through close reading, supported by evidence	Y	Y	4	EX
91101	Produce a selection of crafted and controlled writing		Y	6	IN
91102	Construct and deliver a crafted and controlled oral text			3	IN
91106	Form developed personal responses to independently read texts, supported by evidence	Y		4	IN

For further information see – Mrs Wendy Coghlan or Mrs Fleur McKenzie

* UER - reading credits

+UEW - writing credits

HEALTH STUDIES

Level: Year 12
up to 20 credits

Qualification: NCEA Level 2

Health is about the well-being of individuals, whānau and communities. It is about developing an understanding of the factors that influence the health of these groups.

Students should be familiar with and provide evidence of

- Underlying concepts of health (hauora, socio-ecological perspective, health promotion, and attitudes and values)
- Be able to apply these to an unfamiliar context(s).
- Candidates are required to use specific and relevant evidence to support their analysis. An analysis requires an explanation of influences, consequences, and strategies.
- The knowledge of adolescent health issues and how the underlying concepts of health can be applied to any given context.
- Provide evidence of their knowledge from their own course of study. Candidates should focus on the quality of their responses rather than the length.

It is expected that students will participate in class discussions and come to class with research and ideas to discuss with other students in the class. Students will need to research the topics and their impact on wellbeing within the school community, the local community, and the wider community that they live in. Students need to be open to multiple perspectives, ideas, cultures, and languages, and be able to examine them critically in relation to their well-being.

Details of the content of each topic will be provided by the teacher to the students at the start of the topic. Some of the topics will overlap and will be part of the overall learning. Students are expected to keep up with reflections, notes and any other learning about the content provided so that they will be able to put together portfolios of work for the external assessments.

Standard	Version	Credits	Description (title)	Assessment
91235	2	5	Analyse an adolescent health issue	External
91236	2	5	Evaluate factors that influence people's ability to manage change	Internal
91237	2	5	Take action to enhance an aspect of people's well-being within the school or wider community	Internal
91239	2	5	Analyse issues related to sexuality and gender to develop strategies for addressing the issues	Internal

For further information see – Mr Dale Kington

HOSPITALITY

Level: Year 12
up to 18 credits

Qualification: NCEA Level 2

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	Practice 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
up to 20 credits

Qualification: NCEA Level 2

Prerequisite: Proficiency shown at Level 1 NCEA.

Humanities is a subject that develops a wide range of transferable skills, bridging both the Sciences and the Arts. Employers today value individuals who are well-organised, effective communicators, and who demonstrate an informed understanding of global issues and their implications for society, both now and in the future.

This course is an extension of Year 11 Humanities, you'll get the chance to study both:

- **History** – learning how people have interacted with each other over time, and how those events still shape our world today and into the future.
- **Geography** – exploring how people interact with the land and environment, and what this means for the future.

Course Outline

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

Note:

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

For further information see - Mrs Fleur McKenzie

PRACTICAL MATHEMATICS

Level: Year 12
up to 13 credits

Qualification: NCEA Level 2

Course Description

Level 2 Practical Mathematics has a focus on Mathematics and Numeracy skills that will be valuable in everyday life. This course does not give entry into Year 13/Level 3 Mathematics.

Key concepts covered: • Numeracy Concepts • Financial Literacy	Key skills developed: • Budgeting • Numeracy Problems in context • Banking • Financial Planning
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Course Outcomes

Students will be offered up to 13 unit standards in Numeracy. These do not give students entry to Level 3 Statistics or Calculus.

Course Outline

A selection from the following UNIT standards may be offered:

Standard	Title	Credits	Assessment
US28094	Household Budget*	3	Internal
US28097	Banking and Services*	3	Internal
US28092	Personal Income at different life stages*	3	Internal
AS91260	Apply network methods in solving problems	2	Internal
AS91576	Use critical pathways analysis in solving problems	2	Internal

Additional units may be added to meet the needs of individual students.

Assessment Procedures

A detailed assessment guide is issued to students in February. Standards marked by an asterisk (*) are open-book assessments. Students need a Scientific calculator for this course.

For further information see – Mrs Paulette Leach

PHYSICAL EDUCATION

Level: Year 12
up to 20 credits

Qualification: NCEA Level 2

Participation in a variety of activities will occur throughout the duration of the course. There will be an emphasis throughout on individual achievement and the role of physical activity in society. Students must be prepared to swim throughout Term 1 to improve their personal swimming performance.

Students will examine

- Aspects of structure and functions of the human body in relation to the effects of activity and the role of activity in healthy living
- Biomechanical factors involved in human movement and principles underlying skill acquisition
- A social perspective on physical education and sport
- Applied aspects of exercise and activity (physiology)
- Factors that influence individual and group participation in physical activity (including leadership)

Participation in activities is mandatory - this course involves a great deal of physical activity - students are expected to be fully involved AND changed for each class.

Details about the content of each topic will be given to students at the start of the topic.

Standard	Version	Credits	Title
91329	2	4	Demonstrate understanding of the application of biophysical principles to training for physical activity.
91330	3	4	Perform a physical activity in an applied setting.
91334	2	3	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity.
91328	2	5	Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills
91332	2	4	Evaluate leadership strategies that contribute to the effective functioning of a group.

For further information see – Mr Dale Kington

PHYSICS

Level: Year 12
up to 20 credits

Qualification: NCEA Level 2

Prerequisite: At least 10 credits from Level 1 Science and a reasonable attainment of credits in Mathematics. Exceptions may be considered on a case-by-case basis.

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

For further information see – Miss MacGilloway

TOURISM

Level: Year 12
up to 25 credits

Qualification: NCEA Level 2

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), International Travel College (ITC) and the New Zealand School of Tourism.

We aim to complete a couple of trips to tourist destinations throughout the year.

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. Students will be offered a choice from the following standards

Course Outline

Standard	Title	Level	Credit	Assessment
33211	Demonstrate knowledge of the history of New Zealand tourism	2	3	Internal
24731	Demonstrate knowledge of destination New Zealand	2	4	Internal
24727	Describe and compare impacts of Tourism on the Physical Environment	2	3	Internal
24726	Describe and compare social and cultural impacts of tourism	2	2	Internal
24728	Demonstrate knowledge of Work Roles in Tourism	2	3	Internal
24729	Demonstrate knowledge of World Tourist Destinations	2	4	Internal
24730	Demonstrate Knowledge of the Business of Tourism	2	4	Internal

For further information see – Mrs Fleur McKenzie/Ms Jeanna Rodgers

VISUAL ART

Level: Year 12
up to 20 credits

Qualification: 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