



Senior Student Course Booklet for

2021

Art (Visual)

LEVEL ONE

Credits: 22

Leads onto: Level 2 Visual Art

Achievement Standards in Visual Arts Level One are divided into two internally assessed units which include. AS 90914 1.2 Use drawing methods and skills for recording information using wet and dry media, this unit is worth four credits. AS 90915 1.3 Use drawing conventions to develop work in more than one field of practice, this unit is worth six credits. These two units build into the folio submission where students produce a body of work which shows their technical ability and generate and develop ideas using a range of media, this is the externally moderated standard which is worth 12 credits.

Throughout the course, students study works and methods of contemporary and traditional artists to inform their own work.

Depending on the record of achievement, some students may submit for fewer standards.

Pre-requisite: Year 10 Art results or proof of ability at this Level.

Teacher Contact: Ms Leonie Lawrence

Art (Visual)

LEVEL TWO

Credits: 20

Leads onto: Level Two Visual Art in Painting

Achievement Standards in Visual Arts at Level Two are divided into two internally assessed units, AS. AS 91311 2.2: Use drawing methods to apply knowledge of conventions appropriate to painting, worth four credits and AS 91319 2.3: Develop ideas in a related series of drawings appropriate to established painting practice, also worth four credits. This course leads into the two panel folio submission AS 91321 2.4 that is worth 12 credits and is externally moderated.

Throughout the course students study works and methods of contemporary and traditional artists to inform their own work. The subject matter is based on History of the Land for this year's course.

This course is to broaden the base of knowledge and skills which can be applied in many career paths.

Depending on the record of achievement at Level One, some students may submit for fewer standards.

Pre-requisite: Level One Art or proof of ability at this level.

Teacher Contact: Ms Leonie Lawrence

Art (Visual) - Painting

LEVEL THREE

Credits: 26

Leads onto: Polytechnic or University

Achievement Standards in Visual Arts painting at Level Three are divided into three internally assessed units which begin with AS 91441 Painting, 3.1 Analyse methods and ideas from established painting practice worth four credits. AS 91446 3.2 Painting - Use drawing to demonstrate an understanding of conventions appropriate to painting worth four credits and 3.3 AS 91451 painting -Systematically clarify ideas using drawing informed by established painting practice also worth four credits.

These three units lead into the folio submission which is three panels of work showing the student's ability to produce original work within painting to show extensive knowledge of art-making methods and ideas. The year's work is largely student driven with each student choosing an area of study and guided by the teacher pursuing this throughout the year's course developing and extending their chosen subject into the folio submission worth 14 credits.

This course allows students to develop independent thinking, art making and study skills in preparation for study at University or Polytechnic.

Pre-requisite: Level Two Visual Art.

Teacher Contact: Ms Leonie Lawrence

Biology

LEVEL TWO

www.eohs.school.nz

Credits: 20 (12 internal)

Leads onto: Level Three Biology

Level Two Biology is the study of living things and how they interact with each other and the environment. Students develop an understanding of the diversity of life and life processes with emphasis on the biology of New Zealand including the sustainability of New Zealand's unique fauna and flora and distinctive ecosystems.

The Level Two Biology course covers four main topics:

- Ecology
- Cell Biology
- Genetics and Evolution
- Animal Adaptations

Course costs:

Rocky Shore Trip \$5

Course manual up to \$30.00

Education Perfect \$20

Biology is a subject that leads to many careers (medicine, agriculture, fisheries, forestry, food technology, research, teaching, conservation etc). Chemistry is a very important co-requisite if advancing to tertiary studies.

Pre-requisite: 12 credits in Level One Science including Genetics and Variation or with approval by HOD Science.

Teacher Contact: Dr Bethel

Biology

LEVEL THREE

Credits: 19 (10 internal)

Leads onto: Tertiary Study

Level Three Biology is an academic course aimed at preparing you for tertiary studies in the biological sciences. Chemistry and Physics are highly recommended if doing Medical Sciences.

Level Three Biology topics include:

- Plant Responses and Animal Behaviour
- Homeostasis
- Human Evolution
- Biological Issues in Society
- Genetic Transfer and its Implications

Course costs:

Peninsula Trip \$60

Orokonui Ecosanctuary Trip \$60

Course manual up to \$30
Education Perfect \$20

Biology is a subject that leads to many careers (medicine, agriculture, fisheries, forestry, food technology, research, teaching, conservation etc). Chemistry is a very important co-requisite if advancing to tertiary studies.

Pre-requisite: 12 Level Two Biology credits (four credits must come from external exams).

Teacher Contact: Dr Bethel

BCATs -Building, Construction & Allied Trades

LEVEL ONE, TWO and Three National Certificate

Credits: 20 plus Credits Level 1 and Two and 18 available Credits at Level 3

Leads onto: Trade courses

The National Certificate in Building, Construction and Allied Trades Skills Level One, Two and Three is offered to students in Year 11, 12 and 13. The qualification covers skills in communication, literacy, numeracy, quality standards, workshop procedures, drawing and sketching, job specifications, health and safety, materials knowledge (including timber, metal, plastic, glass) hand tools, power tools, and operating fixed machinery. Students will be designing their own projects within a budget and constraints to fit within the course.

At Level One there are three compulsory units (14 credits) a minimum of three literacy credits and seven numeracy credits. A further number credits within a variety of units are available throughout the year's course.

At Level Two there are five compulsory units (22 credits) one Literacy unit from Level Two English written language and further credits available throughout the year's course.

At Level Three there will be a number of credits available. Undertake a Stage 3 BCATS project (12 credits) Follow safe workplace practices, and contribute to a health and safety culture, in a BCATS environment (2 credits) Demonstrate knowledge of, select, and use materials for a Stage 3 BCATS project (4 credits) Develop and use BCATS project documentation for a Stage 3 BCATS project (8 credits) Communicate and work collaboratively in a Stage 3 BCATS project (5 credits) Measure and calculate for a Stage 3 BCATS project (3 credits) Select, use, and maintain tools, equipment and machinery for a Stage 3 BCATS project (4 credits) Incorporate other building, construction and allied trades into a Stage 3 BCATS project schedule (2 credits)

Cost: The cost of this subject is for all materials used in the construction of the student's projects and finishing materials. Projects in the past have ranged in cost from approximately \$100 to \$200 depending on the students design. Students are to discuss this with parent/caregivers and Teacher before commencing. Payments can be made by installments over the year through arrangement with our School.

Prerequisite: It is envisaged that students will have completed the Level 1 course to progress to Level 2. For Level 3, students will have completed Level 2 in Building Construction and Allied Trades Certificate Course.

Teacher Contact: Mr Fuller

Business Studies

LEVEL ONE

Credits: 21 (thirteen internal)

Leads onto: Level Two Business Studies

Level One Business Studies is a follow on from business units covered in Social Studies. It is based around small business and looks at the key features of being a successful business owner including supply and demand, accounting decision and marketing. The course aims to offer a wide spread of business studies and economics while maintaining relevance to the local community.

This course is delivered through EOHS.

The Level One Business course covers six main topics:

- Small Businesses
- Making Accounting Decisions
- Marketing
- Supply and Demand
- Producer Decision and Choices
- NZ Economy

Course costs:

Course workbook up to \$30

Prerequisite: Open entry but with a good level of Maths at Year 10.

Teacher Contact: Mr Fleury

Business Studies

LEVEL TWO

Credits: 19 (11 internal)

Leads onto: Level Three Business Studies

This is likely to be via video conferencing

Level Two Business Studies is a follow on from Level One. It is based around Business Studies, Accounting and Economics standards. eg. It will look at the key concepts of supply, demand, unemployment, inflation and market research. It aims to offer a wide spread of ideas with relevance to students lives and the local community.

The Level Two Business course covers six main topics:

- Unemployment
- Inflation
- Market Research
- Economic Growth
- Accounting Decisions

Course costs:

TBA

Pre-requisite: 14 credits at Level One Business Studies or HoD approval.

Teacher **Contact:** Mr Fleury

Chemistry

LEVEL TWO

Credits: 19 (9 internal)

Leads onto: Level Three Chemistry

Level Two Chemistry will look at the fundamental building blocks of materials (elements), and the compounds they form. It studies chemical reactions, describes how properties of substances are related to their bonding, and how this relates to their use. Experimental work is a large component of this course.

Course of Study

- Atomic Structure, and Bonding and Energy changes
- Organic Chemistry
- Precipitation Reactions
- Volumetric Analysis
- Quantitative Analysis
- Oxidation and Reduction

Course Costs

Students will be required to purchase a workbook \$30.

Education Perfect \$20

Chemistry is required for most science studies at Tertiary Level (e.g. health sciences, agriculture, food science, engineering, marine science) and can lead to careers in areas such as teaching, technician in laboratories, nursing and industries such as mining, forestry, fishing and agriculture.

Pre-requisite: 12 credits in Level One Science including four from Acids and Bases or with approval by HOD Science.

Teacher Contact: Dr Bethel

Chemistry

LEVEL THREE

Credits: 19 (9 internal)

Leads onto: Tertiary Study

Level Three Chemistry builds on concepts studied at Level Two. Concepts that are developed further will require a good understanding of Mathematics to enable calculation of quantities. Experimental work and analysis of results is a large component of this course.

Course of Study

- Atomic Structure and Bonding
- Organic Chemistry
- Energy Changes
- Spectroscopic analysis
- Redox Reactions
- Volumetric Analysis

Course Costs

Students will be required to purchase a workbook \$30.

Education Perfect \$20

Chemistry is required for most science study at Tertiary Level (e.g. health sciences, agriculture, food science, engineering, marine science) and can lead to careers in areas such as teaching, technician in laboratories, nursing and industries such as mining, forestry, fishing and agriculture.

Pre-requisite: 12 credits in Level Two Chemistry (four credits must come from external exams) or with approval by HOD Science.

Teacher Contact: Dr Bethel

Design and Visual Communication

LEVEL ONE

Credits: 24

Leads onto: Level Two Design & Visual Communication

This course is made up of a combination at internal and external Achievement Standards. The external Achievement Standards are submitted using a portfolio.

Design and Visual communication focuses on where visual literacy and creative thinking is developed, using visual communication techniques. These techniques include freehand sketching, Instrumental multi-view and paraline drawing, rendering techniques, researching other designers work and presenting a body of design work to an audience. The main body of work will be presented as A3 folio's for internal assessment and external moderation.

Costs: Some specialist equipment is essential to this course and will be listed in the stationary list.

Pre-requisite: an interest in instrumental drawing, ability to be neat and tidy with freehand drawing, and an interest in computer graphics.

Teacher Contact: Mr Fuller

Design & Visual Communication

LEVEL TWO

Credits: up to 24

Leads onto: Product design, fashion design textile design

Design and Visual communication (originally Graphics) focuses on where visual literacy and creative thinking is developed, using visual communication techniques. These techniques include freehand sketching, Instrumental multi-view and paraline drawing, rendering techniques, researching other designers work and presenting a body of design work. The main body of work will be presented as A3 folio's for internal assessment and external moderation. A proportion of work will be required as homework, as a requirement.

Costs: Some specialist equipment is essential to this course and will be listed in the stationary list.

Pre-requisite: 12 credits at Level One or have a sound understanding of drawing techniques and computer application to work at this level with the approval of the HoD.

Teacher Contact: Mr Fuller

Digital Technology

LEVEL ONE

Credits: 21 - 24

Leads onto: Level Two Digital Technology

Course of Study

This course is an Achievement Standard course and is designed to give you skills and knowledge in the following:

- An understanding of the basic concepts of information management
- File management
- Desktop publishing
- Research and process information from different sources
- Knowledge of a personal computer system
- Keynote presentation
- Basic programme development

Pre-requisite: Open entry.

Teacher Contact: Mr Fleury

Digital Technology

LEVEL TWO

Credits: 18 - 24

Leads onto: Level Three Digital Technology.

Course of Study

This is likely to be a VC course

The Level Two Digital Technology course gives you an insight into computer systems and their associated applications both locally and on the web. The course will vary depending on the VC teacher for the particular year.

- Computer systems
- Using Microsoft Office applications
- Computer hardware and operating systems
- Design for web and print
- Computer Programming

Pre-requisite: Level One Digital Technology or by interview with HoD.

Teacher Contact: Mr Fleury

Digital Technology

LEVEL THREE

Credits: 16 - 24

Leads onto: Tertiary Studies

Course of Study

This is likely to be via video conferencing

The Level Three Digital Technology course builds on your knowledge of computer systems and Design Technology applications from Level Two but there is a greater emphasis on planning and design to meet a client brief (Technology process). The content includes three strands:

- Systems – network design
- Business Applications - databases and advanced spreadsheets
- Design - computer graphics, magazine page design, and multi-media

Pre-requisite: Level Two Digital Technology.

Teacher Contact: Mr Fleury

English

LEVEL ONE

Credits: up to a possible 25

Leads onto: Level Two English

Course Description

English is the study, use, and enjoyment of language and literature communicated orally, visually, and in writing for a range of purposes and audiences and in a variety of text forms. In this course you will continue to explore and develop a range of vital skills and key competencies to prepare you for the future. English is a subject that will help you with a range of employment options and life experiences.

Course of Study

Some of the following strands:

- Responding to and thinking critically about a range of texts
- Identifying and explaining connections across texts
- Showing understanding of a visual text through close viewing
- Creating a visual text
- Constructing and delivering an oral presentation
- Producing formal & creative writing
- Showing understanding of unfamiliar text through close reading
- Showing understanding of studied visual, written or oral texts

Prerequisite: Successful completion of Level Five English.

Teacher Contact: Ms Fisher

English

LEVEL TWO

Credits: up to a possible 24

Leads onto: Level Three English

Course of Study

Some of the following strands:

- Analysing connections across texts
- Producing a crafted and developed writing portfolio
- Delivering an oral presentation
- Investigating a language or literature topic and presenting information in written form
- Reading, studying and analysing extended and short written texts
- Analysis of a studied visual text
- Analysis of a visual text through close viewing

Prerequisite: A minimum of 12 credits in Level One Achievement Standards English including having gained Level One Literacy.

Teacher Contact: Ms Fisher

English

LEVEL THREE

Credits: up to a possible 26

Leads onto: Tertiary Studies

Course of Study

Some of the following strands:

- Producing a selection of fluent and coherent writing in the form of a portfolio
- Constructing and delivering a valedictorian speech
- Responding critically to studied written text
- Responding critically to studied visual text
- Responding critically to a visual text through close viewing
- Analysis of connections across texts through a critical literary lens

Prerequisite: A minimum of 12 credits in Level Two Achievement Standards English as well as having gained Level One Literacy or HoD approval.

Teacher Contact: Ms Fisher

Foundation Skills

Qualification Title: New Zealand Certificate in Foundations Skills
Qualification Type: Certificate

Level: 1

Foundation Credits: 60

Leads onto: Further study or training in specific industry or sector-focused qualifications. NCEA (Level One and Two) or to the New Zealand Certificate in Foundation Skills (Level Two)

Description:

Level One Foundation Skills is intended to assist people engaging or re-engaging with learning—particularly learners who have not previously experienced education success or for whom the secondary schooling context may not be appropriate. Individuals will re-engage with learning and employment through a focus on literacy, numeracy and technology in a range of contexts and develop skills in the following:

- Using self-management strategies to organise their own personal life, including strategies for continuing learning and for building general knowledge and context-specific skills.
- Participate in and be able to reflect on work and community environments, including teā o Māori and the role of te Tiriti o Waitangi in Aotearoa.
- Interact positively in group environments and progress towards related learning and career goals, with guidance.
- Apply basic literacy, language, numeracy, digital literacy, learning and context-specific skills to everyday life in a relevant context.

This course will include a wide range of topics, options and experiences relevant to the learner and the contents and can include any of the following:

- Personal well-being
- Time management
- Self-management
- Personal health and safety practices
- Cultural identify
- Group work
- Communication skills
- Numeracy skills
- Basic teā o Māori concepts
- The role of te Tiriti o Waitangi in Aotearoa
- Goal setting, including learning, life and career goals.
- Learning skills
- Problem solving
- Work readiness skills

Pre-requisite: None.

Required Materials: Workbooks will be needed for each topic undertaken.

Teacher Contact: Miss Kempthorne

Gateway

Credits: Minimum of 20 – no maximum

Leads onto: credits towards a certificate or apprenticeship in chosen field/Modern Apprenticeships/Tertiary Study.

The GATEWAY programme is designed for Year 11, 12, 13 who are ready to explore a career option in the workplace., be it a trade or a field requiring tertiary study. Students will be placed in a workplace where they can gain practical experience of a particular industry and work towards credits and qualifications based on their chosen career pathway.

Description

- Gateway is designed to strengthen the pathway for students to progress from school to workplace learning
- Gateway provides students with structured workplace learning across a range of industries and businesses around New Zealand, while they continue to study at school. Each student has an Individual Learning Plan including units based on their chosen career pathway
- Gateway delivers hands on, practical learning that leads to nationally recognized qualifications
- Gateway builds students' workplace experience, helping them move smoothly from school to work

Benefits for students on the Gateway programme:

- An opportunity to build skills for employment and working in real workplaces
- An opportunity to try out potential careers and build links to Industry Training Organisations, modern apprenticeships and workplaces
- An opportunity to look at tertiary study options within the chosen career pathway
- Acquisition of credits towards qualification in chosen career pathway

Gateway involves:

- No cost to students or parents
- A work placement relevant to a student's learning and vocational goal. Students attend once a week
- An individualised learning plan for each student, based on the chosen career pathway
- A high workplace learning content and assessment in the workplace
- Working closely with Industry Training Organisations (ITO) who provide NCEA units in students' chosen career pathway

Pre-requisite: Students are accepted on the Gateway programme following an interview to determine whether they are 'work ready', have a clear career direction or industry of interest and have the motivation to study independently. Students who are withdrawn from the Gateway programme for not facing up to their responsibilities will be asked for a refund of costs incurred.

The **S.T.A.R.** (Secondary Tertiary Alignment Resources) programme allows students to attend short courses (one to five days) in a field associated with a career pathway they are interested in. Courses are advertised in the notices and students are welcome to see Ms Guile to discuss options available. The courses on offer are credit bearing (from 2015, students will be required to achieve 10 credits at Levels One, Two or Three).

VOCATIONAL PATHWAYS: The Vocational Pathways option is a way of thinking about possible careers pathways and connecting education and employment. Students elect to study standards that relate to a specific field, i.e. Automotive Engineering or Beauty Therapy. Students will generally study these units through Gateway or the Otago Polytechnic one day a week while the other four days will be at school. Options available in 2020 will include:

* Introduction to Automotive Trades * Introduction to Hospitality * Introduction to Carpentry * Beauty Therapy/Hairdressing * Police, Forces and Security.

Teacher Contact: Ms Guile

Geography

LEVEL THREE

Credits: 18 - 22

Leads onto: Tertiary Study

Geography is a study of the natural environment and the way humans use it. It is both a scientific academic discipline and an arts subject.

The Level Three course consists of two externally assessed papers worth four credits each. One of these looks at the cultural processes (Tourism Development) that operate in Queenstown, New Zealand. The other external paper looks at Geographic Skills.

The internal component of the course looks at geographic issues, global tourism and the research standard is likely to be based on the Port Chalmers area. The total internally assessed standards will be worth 14 credits which will enable successful candidates to gain University Entrance in the subject before the external examination.

Field Trip: day trip to Port Chalmers and possible two days in Queenstown (cost around \$200)

Pre-requisite: A minimum of two internal assessments achieved from Year 12. Open entry for those who have not taken the course before- must have a good work ethic.

Teacher Contact: Mr Smith

Humanities

LEVEL

ONE

Credits: 18 -30

Leads onto: Level Two Geography and History.

Course Aim

NCEA Level One Humanities course will cover a number of Geography and History Achievement Standards. Because it covers two full curriculum courses there is a degree of flexibility as to what standards will be assessed and the course will be tailored to meet the strengths of the class. There are two compulsory externals (Hist1.3 and Geo1.4), and an elective essay (Hist1.5).

For History the aim is to help students develop an understanding of historical inquiry and interpretation and is concerned with important social, economic and political issues. The school work is based around topics that:

- Develop an ability to enter imaginatively into events of the past.
- Further historical understanding of some major trends in New Zealand society and beyond.
- Develop in students a critical understanding of themselves as New Zealanders and an awareness of New Zealand in the world.
- Foster an understanding of other peoples, though they may be remote in time and place.
- Develop skills of historical inquiry and interpretation that allow the student to define a problem and gather, process and present information.
- Develop student's ability to recall evidence and describe events in detail.

Topics Covered in Year 11 may include:

- Topic in the 20th Century (Hist 1.1)
- World War Two (Nazi Germany) or Black Civil Rights in the USA (Hist 1.4)
- Conduct and review a small business enterprise (Bus1.6)
- A Geography research study (Geo1.5)

Geography is the study of the environment as the home of humans. It provides students with an understanding both of New Zealand and our place in the world in which we live. At Year 11 we will undertake a number of internally assessed Achievement Standard as well as one externally assessed standard

Business Enterprise is about thinking, planning to, carrying out, and review a business activity.

Field Trip: Trip survey to Dunedin

Pre-requisite: Open Entry.

Teacher Contact: Mr Smith

Senior History and Geography (separate or mixed class)

LEVEL

Two

Credits: 18-21

Leads onto: Level Three Geography and History.

Note: this can operate as two separate classes [a year 12 class (level 2), and a separate year 13 class (level 2) class; or as mixed class -based on uptake (people wanting to do the class].

Assessment: Internal 3 or 4 standards; 1 externals; 1 elective external (the essay).

Course Aim

NCEA Level Two/Three Humanities course will cover a number of Geography and History Achievement Standards.

Students select either History or Geography There is one compulsory external (Hist2.3/3.3 and Geo2.4/3.4), and an elective essay or study.

Students that wish to do both History and Geography must apply to the department, after having a conversation with the Senior Dean or Deputy Principal.

For History the aim is to help students develop an understanding of historical inquiry and interpretation and is concerned with important social, economic and political issues. The school work is based around topics that:

- Develop an ability to enter imaginatively into events of the past.
- Further historical understanding of some major trends in New Zealand society and beyond.
- Develop in students a critical understanding of themselves as New Zealanders and an awareness of New Zealand in the world.
- Foster an understanding of other peoples, though they may be remote in time and place.
- Develop skills of historical inquiry and interpretation that allow the student to define a problem and gather, process and present information.
- Develop student's ability to recall evidence and describe events in detail.

Geography is the study of the environment as the home of humans. It provides students with an understanding both of New Zealand and our place in the world in which we live. At Year 11 we will undertake a number of internally assessed Achievement Standard as well as one externally assessed standard

Field Trip: Trip survey to Dunedin and or Trip to Oamaru.

Pre-requisite: History Requires level 1 literacy; Geography requires level 1 literacy and numeracy.

Teacher Contact: Mr Smith

History

LEVEL THREE

Credits: 25

Leads onto: Tertiary Studies

Course Aim

NCEA Level Three (Year 13) History aims at helping students develop an understanding of historical inquiry and interpretation and is concerned with important social, economic and issues of our past. The school work is based around coursework that:

- Develop an ability to enter imaginatively into events of the past.
- Further historical understanding of some major trends.
- Foster an understanding of other peoples, though they may be remote in time and place.
- Further develop skills of historical inquiry and interpretation that allow the student to define a problem and gather, process and present information.
- Develop students' ability to analyse and evaluate evidence and form their own opinions and arguments.

Topics Covered in Year 13 could include:

- A New Zealand Study (3.1 and 3.2)
- World History- turning points in World History (3.4: example: My Lai; Crete; Montgomery bus boycott; etc)
- Industrial Revolution and Technological Revolution

There will be a compulsory school practice examination for the external achievement standards at the end of Term Three.

Pre-requisite: A minimum of two internal assessments achieved from Year 12 Humanities (or History or Geography). Alternatively, must have had a good level 2 work ethic.

Teacher Contact: Mr Smith

Home Economics

LEVEL ONE

Credits: 18

Cost: \$80

Leads onto: Level Two Home Economics

Level One Home Economics continues developing a student's practical skills and knowledge of food, nutrition and why people make the food choices they do. Achievement Standards are based on the following concepts:

- Developing an understanding of the nutritional needs of different life stages and how to plan foods to meet these through the balanced food plans.
- Developing an understanding of how societal influences can influence an individual's food choices and well-being.
- Developing an awareness of the concept of Hauora (well-being) and acknowledging the role food plays in the health and wellbeing of themselves and others
- Developing an understanding of the cultural significance and rituals associated with food and nutrition
- Developing cooking skills through a wide variety of practical food-related activities.
- Developing knowledge of the practices and strategies required to address food handling issues.
- Developing knowledge for the selection and preparation of food that reflects health-enhancing principles
- Developing an awareness of attitudes, values and beliefs about food choices
- Enhancing self-worth through successful and safe preparation of food (personal Level and/or as a shared responsibility)
- Developing skills in effective and creative management of resources.
- Developing an understanding of how food labeling and packaging information influences an individual's food choices and well-being.

Skills

- Plan and prepare food to meet nutritional needs during adolescence.
- Demonstrate an understanding of interpersonal and societal considerations relating to food choices and eating patterns.
- Demonstrate and apply safe food-handling practices and strategies.
- Analyse and evaluate nutritional information (& the effects of promotional material in making food choices).
- Develop an understanding of the impact of society, family initiatives and community on hauora / well-being.

Two Achievement Standards will be internally assessed and worth 5 credits each.

Two Achievement Standards will be externally assessed (an end of year examination) and worth 4 credits each.

Pre-requisite: Year 10 Home Economics.

Teacher Contact: Miss Kempthorne

Home Economics

LEVEL TWO

Credits: 18

Cost: \$80

Leads onto: Level Three Home Economics

Description:

Level Two Home Economics is aimed at further developing students skills, knowledge and understanding of food, nutrition and the importance of making healthy food choices for individuals and families well-being. During the year students will carry out a number of Achievement Standards. Each achievement standard has a focusing concept that is covered in detail and then assessed. By the end of the year it is expected that students will have been able to complete a number of the following Achievement Standards:

- Analyse issues related to the provision of food for people with specific food needs
- Analyse the relationship between well-being, food choices and determinants of health
- Evaluate sustainable food related practices
- Analyse practices to enhance well-being used in care provision in the community
- Evaluate health promoting strategies designed to address a nutritional need

Two Achievement Standards will be internally assessed and worth 5 credits each.

Two Achievement Standards will be externally assessed (an end of year examination) and worth 4 credits each.

Brief Course Outline:

This course is made up of a number of Level Two Achievement Standards that students will be assessed on using student work books.

Pre-requisite: NCEA Level 1 Home Economics.

Teacher Contact: Miss Kempthorne

Home Economics

LEVEL THREE

Credits: 18

Cost: \$80

Description:

Level Three Home Economics is aimed at further developing students skills, knowledge and understanding of food, nutrition and the importance of making healthy food choices for individuals and families well-being. During the year students will carry out a number of achievement standards. Each achievement standard has a focusing concept that is covered in detail and then assessed. By the end of the year it is expected that students will have been able to complete a number of the following Achievement Standards:

- Investigate a nutritional issue affecting the well-being of New Zealand society
- Implement an action plan to address a nutritional issue affecting the well-being of New Zealand society
- Analyse a food related ethical dilemma for New Zealand society
- Investigate the influence of multinational food corporations on eating patterns in New Zealand
- Evaluate conflicting nutritional information relevant to well-being in New Zealand society
- Analyse the influences of food advertising on well-being

Two Achievement Standards will be internally assessed and worth 5 credits each.

Two Achievement Standards will be externally assessed (an end of year examination) and worth 4 credits each.

Brief Course Outline:

This course is made up of a number of Level Three Achievement Standards that students will be assessed on.

Leads onto: Polytechnic or University. (University approved subject)

Pre-requisite: NCEA Level Two Home Economics.

Teacher Contact: Miss Kempthorne

Mathematics I

LEVEL ONE

Credits: 18

Leads onto: Level Two Mathematics

This Level One course in mathematics is an academic course preparing students for study of mathematics beyond Level One. Students will need high level skills in comprehension, analysis, literacy, numeracy, graphing and algebra to achieve success.

Students aiming for University or Polytechnic courses in maths, sciences, social sciences, engineering and some humanity subjects should aim for success in this course which leads on to Mathematics at Level Two and Statistics and Modelling at Level Three.

This Course includes standards on Trigonometry, Number, Statistics, Measurement, Algebra and Graphs. There are four internally assessed standards and one externally assessed standard with a total of 18 credits being available.

Pre-requisite: Level Five Mathematics.

Requirements: A scientific calculator.

Teacher Contact: Mr Wilson

Mathematics II

LEVEL ONE

Credits: 16

Leads onto: Level One Mathematics I

A practical mathematics course for students who find mathematics challenging and aim to gain Level One Numeracy.

This course is internally assessed and focuses on developing mathematics skills that will be useful beyond school. The Numeracy Unit Standards are included to ensure all students attain the NCEA Level One requirement of 10 numeracy credits. This Course also includes the possibility of two internally assessed Achievement Standards. In total, up to 16 credits are available.

Pre-requisite: Open Entry.

Requirements: A scientific calculator.

Teacher Contact: Mr Wilson

Mathematics

LEVEL TWO

Credits: 16

Leads onto: Level Three Statistics and Modelling, Level Three Mathematics and Calculus

This course is an academic course with the aim to prepare students for study of mathematics at Level Three and beyond. Students aiming for University or Polytechnic courses in maths, sciences, social sciences, engineering and some humanity subjects should aim for success in this course.

Students will need high level skills in algebra to achieve success in this course.

This Course includes standards on Trigonometry, Sequences, Coordinate Geometry, Graphs, Networks and Calculus. The course comprises mostly internally assessed Achievement Standards with one externally assessed standard. There are a total of 16 credits available.

Pre-requisite: 14 Credits in Level One Mathematics.

Requirements: A scientific calculator.

Teacher Contact: Mr Wilson

Statistics & Modelling

LEVEL THREE

Credits: 19

Leads onto: Tertiary Study

The aim for this course is to prepare students for study of mathematics beyond secondary level at Polytechnic or University. Students aiming for University or Polytechnic courses in mathematics, sciences, social sciences and some humanity subjects should aim for success in this course. Statistics and modelling has many applications and is a requirement for many tertiary courses.

This Course includes standards on Statistics, Probability and Linear Programming. There are four internally assessed standards and one externally assessed standard with a total of 19 credits being available.

Pre-requisite: Eleven Credits in Level Two Mathematics.

Requirements: A graphics calculator is highly recommended eg Casio fx9750 G II.

Teacher Contact: Mr Wilson

Mathematics with Calculus

LEVEL THREE

Credits: 18

Leads onto: Tertiary Study

The aim for this course is to prepare students to study mathematics beyond secondary Level at Polytechnic or University. Students aiming for University or Polytechnic courses in mathematics, sciences and engineering subjects should aim for success in this course. Calculus has many applications and is a requirement for many tertiary courses.

This Course includes standards on Algebra, Calculus and Graphs with two internally assessed standards and two externally assessed standards with a total of 18 credits being available.

Pre-requisite: 16 Credits in Level Two Mathematics including achievement in Graphs and Calculus.

Requirements: A graphics calculator is required eg Casio fx9750 G II.

Teacher Contact: Mr Wilson

Music

LEVEL ONE

Credits: 22

Leads onto: Level Two Music

This course will most likely be delivered through a distance education format.

Course description

The Music course enables you to develop knowledge and understanding of music in past and present contexts. You will recognise music's contribution to, and significance in, contemporary culture. You will experiment with the elements of music and discover structural devices for shaping sound into music. You will draw on your developing knowledge to compose and arrange. You will develop fluency, musicianship, and technical control as you rehearse and present individual and group performances.

Course of Study

The Level One Music course develops the skills of

- Solo performance
- Group performance
- Composition
- Score reading
- Music works (a study of two works; one classical and one of New Zealand "pop" genre)

Pre-requisite: While the Year 10 Music course is a valuable preparation for NCEA Level One Music, if you are competent on an instrument or in voice, and have developed a competent level of general musicianship you may elect to make a direct entry into the Level One course after consultation with the Head of Music.

Co-requisite

You must commit to continued tuition on your chosen instrument(s) or voice for the entire year to take this course.

Teacher Contact: Mr Cummings

Music

LEVEL TWO

Credits: 20 - 24

Leads onto: Level Three Music

This course will most likely be delivered through a distance education format.

Course of Study

The Level Two Music course builds on the skills developed at Level One.

A selection from the following are studied:

Making Music

- Solo performance
- Group performance
- Composition

Music Studies

- Instrumentation
- Materials and processes used in music
- Music works (study of two main works, including a comparison of these contrasting works, one of which will be a New Zealand work)
- Investigation

Pre-requisite: This course is suitable if you have successfully completed NCEA Level One Music. To be able to do this course with success you need to have achieved a minimum of four Level One Music Achievement Standards, one achieved with Merit.

Co-requisite

You must commit to continued tuition on your chosen instrument(s) or voice for the entire year to take this course.

Teacher Contact: Mr Cummings

Music

LEVEL THREE

Credits: 20 - 24

Leads onto: Level Three Music

This course will most likely be delivered through a distance education format.

Course of Study

The Level Three Music course builds on the skills developed at Levels One and Two, allowing for the specialisation of areas of strength.

A selection of topics from the following are studied:

Making Music -

- Solo performance
- Group performance
- Composition

Music Studies

- Harmonic techniques and analysis
- Research and presentation of a music topic
- Materials and processes used in music
- Comparing and contrasting music works
- Examining contexts that influence the expressive qualities of the music
- Arranging

Pre-requisite: This course is suitable for students who have completed NCEA Level Two Music. To be able to do this course with success you need to have achieved a minimum of five Level Two Music Achievement Standards, one achieved with Merit.

Co-requisite

You must commit to continued tuition on your chosen instrument(s) or voice for the entire year to take this course.

Teacher Contact: Mr Cummings

Physical Education

LEVEL ONE

Credits: 22

Leads onto: Level Two Physical Education

Level One Physical Education is an academic subject which will have a ratio of two theory and two practical lessons approximately throughout the year, but has a significant written component. Students will experience a range of physical activities and will develop the theoretical knowledge to improve their personal performance. Students will benefit from a sound knowledge base of anatomy and basic biomechanical principles which will be applied to selected practical activities. You need to be motivated, enthused and complete work in your own time to be successful. This is a very challenging but rewarding subject.

Costs: Approximately \$175 for a variety of sports cost throughout the year including surfing, paddle boarding, waka ama and sailing. A proportion of this cost will be fundraised by the students through the year.

Pre-requisite: At least an Achieved grade for Anatomy and Biomechanics in Year 10 Physical Education.

Teacher Contact: Mr Herewini

Physical Education

LEVEL TWO

Credits: 20

Leads onto: Level Three Physical Education

Level Two Physical Education is an academic subject which will have a ratio of two theories and two practical lessons. It will cover a variety of different individual and team physical activities. Students will experience a range of scenarios where knowledge of physical education can be applied whilst improving their performance in different physical activities. Student's knowledge of biomechanics and anatomy will be increased and built on from previous years. You need to be motivated, enthusiastic and complete work in your own time to be successful. This is a very challenging but rewarding subject.

Costs: Approximately \$700 for Year 12 ski trip.

Pre-requisite: Students need eight credits in Literacy from English and 14 Credits in Level One Physical Education including 90963.

Note: There is a lot of reading and writing in this Course. Any student who didn't complete Level One Physical Education will need permission from the HoD.

Teacher Contact: Mr Herewini

Physical Education

Level: THREE

Credits: 20

Leads onto: Tertiary Physical Education

Level Three Physical Education is an academic subject which will have a ratio of three theory and one practical lesson approximately throughout the year. Students will experience a range of real life scenarios where knowledge of physical education can be applied. You need to be motivated and enthused and **complete work in your own time** to be successful. It is envisaged that students have completed a full Level One- Two course.

Costs: Approximately \$700 for ski/snowboarding trip.

Prerequisite Some literacy writing credits from Level Two English at the discretion of the HoD Physical Education and 12 Credits in Level Two Physical Education including **91328** (2.2) .

Note: Any student who didn't complete Level Two Physical Education will need permission from the HoD.

Teacher Contact: Mr Herewini

Physics

LEVEL TWO

Credits: 17 (seven internal)

Leads onto: Level Three Physics

Level Two Physics is the study of the physical world around us and energy interactions in that world. It includes explanations for phenomena such as light, sound, heat, electricity and magnetism, waves, forces and motion. Experimental work is a large component of this course including the necessity to measure accurately. Knowing about physics enables people to understand a wide range of contemporary challenges and potential technological solutions.

Course of Study

- Electricity and Magnetism
- Experimental Skills
- Mechanics
- Nuclear Physics
- Research
- Waves

Course Costs

Students will be required to purchase a workbook \$30.

Education Perfect \$20.

Physics is required for most science study at Tertiary level (e.g. health sciences such as radiography, medicine, agriculture, mechanical and electrical engineering) and can lead to careers in areas such as teaching, architecture and industries such as mining, forestry, electronics, aviation and agricultural engineering.

Pre-requisite: 12 credits in Level One Science including Mechanics plus 12 credits from Level One Mathematics or with approval by HOD Science.

Teacher Contact: Mr Bird

Physics

LEVEL THREE

Credits: 17 (seven internal)

Leads onto: Tertiary Study

Level Three Physics builds on the work covered in the Level Two course. Experimental work is a large component of this course including the necessity to measure accurately and work with data. Explanations for a variety of situations and physics applications are required. Knowing about physics enables people to understand a wide range of contemporary challenges and potential technological solutions.

Course of Study

- Rotational Motion
- Simple Harmonic Motion
- Diffraction
- Doppler Effect
- Gravitation
- Alternating Current Theory
- Nuclear Physics
- Physics of the Hydrogen Atom, the photoelectric effect

Course Costs

Students will be required to purchase a workbook \$30

Education Perfect \$20

Physics is required for most science study at Tertiary Level (e.g. health sciences such as radiography, medicine, agriculture, mechanical and electrical engineering) and can lead to careers in areas such as teaching, architecture and industries such as mining, forestry, electronics, aviation and agricultural engineering.

Pre-requisite: 12 credits in Level Two Physics (four credits must come from external exams) or with approval by HOD Science.

Teacher Contact: Mr Bird

Science

LEVEL ONE

Credits: 16 (8 internal)

Leads onto: Level Two Biology, Chemistry, Physics

Level One Science is a study of the world around us. It investigates theories and uses experimental simulations to explain and extend our understanding of natural phenomena. It comprises of a mixture of practical and theory. Aspects of Chemistry, Physics and Biology will be studied. This will provide a foundation for Level Two study in science subjects.

Course of Study

- Genetics
- Acids and Bases
- Force, Motion and Energy
- Micro-organisms
- Experimental Design, data collection and evaluation
- Metals - their properties and uses

Costs

Up to \$25 for a Workbook.

Education Perfect \$20

Pre-requisite: Open entry.

Teacher Contact: Dr Bethel

Science with Agriculture

LEVEL ONE

Credits: 20 (with a range of internal and external AS)

Science with Agriculture is an alternative course to Level One Science. It is based around the theoretical and practical aspects of Agriculture with a scientific focus. The course aims to equip students with the foundational knowledge required for a career in Agriculture. Please note the course does not enable a student to continue with Level Two Chemistry, Biology or Physics.

Course of Study

- Agricultural or Horticultural Practical Investigation
- Plant Production
- Livestock Production
- Primary Production and the Environment
- Agribusiness in relation to primary production in NZ

Costs

Up to \$25 for course material

Teacher Contact: Mr Walker

Tourism

LEVEL TWO

Credits: 22-27

Leads onto: Level 3 Tourism

Tourism is currently the largest industry in New Zealand and employs and employs 7.5 percent of the work force. This course concentrates on: understanding the different work roles in the industry, learning about tourists needs, and developing basic skills and knowledge required in the industry.

The course may include:

- Provide customer service (2 credits)
- Perform calculations for a tourist workplace (3 credits)
- Demonstrate knowledge of destination New Zealand (4 credits)
- Demonstrate knowledge of work roles in tourism (3 credits)
- Demonstrate knowledge of destination world tourist destinations (4 credits)
- Demonstrate Knowledge of tourist characteristics and needs (3 credits)
- Demonstrate knowledge of the business of tourism (4 credits)

Pre-requisite: nil. However, students are expected to have gain both literacy and numeracy in level 1 and must have developed basic chromebooks skills to attempt some tasks.

Requirements: Student booklets. Students must be prepared to undertake studies in the field. There is a field trip to either: Queenstown or Christchurch, and associated costs.

Teacher Contact: Ms Kempthorne

Tourism

LEVEL THREE

Credits: 18

Leads onto: Tertiary Study

Level 3 Tourism builds on Level 2 studies, or it can be used as a stand-alone topic for pre-entry to Studying Tourism at the tertiary level. Level 3 studies are more academic, and require the student to study the industry in greater depth understanding not only tourists wants and needs in different markets, but also the economics of the Tourism industry.

The course may include:

- Demonstrating knowledge of Australia as a tourist destination (5 credits)
- Describe and promote New Zealand as a tourist destination (4 credits)
- Demonstrate knowledge of the tourist industry (5 credits)
- Describe and analyse the economic significance of tourism (four credits)

Pre-requisite: Either, Level 2 NCEA English, Geography or History. Other students will be considered on a case-by-case basis.

Requirements: Student booklets. Students must be prepared to undertake studies in the field. There is a field trip to either: Queenstown or Christchurch, and associated costs.

Teacher Contact: Ms Kempthorne

