

Level 2 Biology

Maximum number of credits: 18

Course description: Students who take this subject should expect to gain an understanding of how life works at a microscopic and macroscopic level. In Term 1, students will explore ecological distribution patterns through collecting data and explain the possible causes for the patterns seen. In Term 2, they will examine the diverse ways in which animals and plants carry out the life processes. In Term 3, they will understand how DNA and the environment interact and have a role to play in gene expression. This course introduces students to topics covered in university as well as laying a foundation for Year 13 Biology.

Standards		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
91153	Carry out a practical investigation in a biology context with supervision	4	Y				Y						
91155	Demonstrate understanding of adaptation of plants or animals to their way of life	3	Y			Y							
91156	Demonstrate understanding of life processes at the cellular level	4		Y		Y							
91159	Demonstrate understanding of gene expression	4		Y		Y							
91158	Investigate a pattern in an ecological community, with supervision	3	Y			Y							

Entry recommendations: Level 1 NCEA credits in 90948 and 90925 or HOD approval

Recommended Workbooks for Internals and Externals: \$25

Level 2 Business Studies

Total number of credits: Approximately 19

Course description: This course aims to build upon the learning undertaken in Level 1 where Students investigated issues that challenge large businesses and the stakeholders in those businesses. Students will be given the opportunity to Carry out, review and refine a business activity within the community. They explore the world of market research and apply it to their own business and develop their problem solving skills in relation to business management. Business studies at Level 2 continues to creates opportunities for students to: Understand the role of business in society and the economy, Explore the culture of enterprise, Gain knowledge and understanding of good business practice and of business as a productive activity, Develop key life skills such as motivation, team-work, perseverance and communication skills.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
90846	Conduct market research for a new or existing product	3	Y			Y	Y						
90845	Investigate the application of motivation theory in a business	3	Y			Y							
90848	Carry out, review and refine a business activity within a community context with guidance	9	Y			Y							
90843	Demonstrate an understanding of internal features of a large business (optional)	4		Y		Y							

Entry Recommendations: Level 1 Business Studies

Equipment: Chromebook or laptop is required

Field Trips: approx \$50

Level 2 Building Construction and Design & Materials Technology (Wood based)

Total number of credits: 24

Course description: Building Construction and Allied Trades Unit Standards and Technology Achievement Standards are offered in this course. It is a strong advantage to have followed a Technology or Building Construction course pathway if you intend pursuing an Industrial Apprenticeship, or a career in Industrial Technology / Design / Arts. You also need to complete a technology course at Level 2 before you progress to Level 3.

Standards		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
US 24354	Demonstrate knowledge of and apply safe working practices in a BCATS work place	4	Y					SR					
US 24350	Identify, select, maintain, and use portable power tools for BCATS projects	6	Y					SR					
US 12932	Construct timber garden furniture and items of basic construction equipment as a BCATS project	8	Y				Y	SR					
US 12927	Demonstrate knowledge, select, maintain and use, hand tools for BCATS projects	6	Y										
US 24360	Demonstrate knowledge of timber and other construction materials used in BCATS projects												

Entry Requirements: Gained a minimum of 15 credits in a Level 1 technology course or by negotiation based on a willingness to learn

Supplementary Materials/Equipment Fee: Approximately \$100 depending on materials chosen

Level 2 Chemistry

Maximum number of credits: 18

Course description: Chemistry is the central science and impacts on all facets of our lives. An understanding of chemistry is necessary to all other sciences, especially health and medical related sciences. All materials used by engineers and technologists are made by **chemical reactions** and we all experience chemical reactions continuously, whether it be breathing or baking a cake, driving a car or listening to a battery driven mp3 player. Chemistry is concerned with all aspects of molecules, their physical and chemical properties, their composition and structure, their synthesis and use in the 21st Century. Includes theoretical and practical coverage of the chemistry curriculum. The course leads onto NCEA Level 3.

Standards		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
91167	Demonstrate understanding of oxidation-reduction	3	Y										
91911	Carry out an investigation into chemical species present in a sample using quantitative analysis	3	Y										
91910	Carry out a practical investigation into a substance present in a consumer product using quantitative analysis	4	Y				Y						
91163	Demonstrate understanding of the chemistry used in the development of a current technology	3	Y			Y							
91164	Demonstrate understanding of bonding, structure, properties and energy changes	5		Y		Y							

Entry Recommendations: Level 1 NCEA credits in 90944 and 90930 or HOD approval

Supplementary Materials/Equipment Fee: + Chemistry Manual: \$18

Level 2 Design & Visual Communication

Total number of credits: 19

Course description: In Level 2 DVC, drawing and visuals will be used to present projects based on problem solving, innovation and the design process. These projects will involve thinking about the function and form of products, and/or spatial design, developing ideas and presenting the process using effective visual communication skills. Design activities that encourage individual creativity and exploration are an important aspect of this course.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91343	Use visual communication techniques to compose a presentation of a design	4	Y					SR					SR
AS91341	Develop a spatial design through graphics practice	6	Y			Y		SR					
AS91342	Develop a product design through graphics practice	6	Y					SR	SR				

Supplementary Materials/Web Access: \$10

Stationery: A3 hard wallet, scale ruler, HB and H2 pencil, quality set of 24 colouring pencils, 0.3 black liner pen, eraser, printing credits

Level 2 Design

Total number of credits: 15 (with 10 optional)

Course description: This course is structured around the design process with both subjects covering design in society. Design will focus on graphic design; visual techniques, composition and typography. Students will have the opportunity to create their own designs by freehand and by using digital software. DVC will focus on the visual communication of products and how to promote a product using design techniques. There will be an opportunity for extension in either DVC or Design and could take either subject in Year 13. This course would suit students who are visual and creative thinkers and those who want practical skills in Design.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NU M	CI	MT	PI	SI	SC	CI
	DVC												
AS91343	Use visual communication techniques to compose a presentation of a design	4	Y					SR					SR
AS91340	Use the characteristics of a design movement or era to inform own design ideas	3	Y			Y		SR					
	VISUAL ARTS												
AS91305	Demonstrate an understanding of methods and ideas from established practice appropriate to design	4											
AS91310	Use drawing methods to apply knowledge of conventions appropriate to design	4											
	(Optional Standards)												
AS91315	Visual Arts – Develop ideas in a related series of drawings appropriate to established design practice	4											
AS91342	DVC – Develop a product design through graphics practice	6	Y					SR	SR				

Supplementary Materials/Web Access: \$10

Stationery: A3 hard wallet, scale ruler, HB and H2 pencil, quality set of 24 colouring pencils, 0.3 black liner pen, eraser, printing credits

Level 2 Digital Technology**Total number of credits:** up to 23

“**Digital Technology** is about teaching students how to design their own digital solutions and become creators of, not just users of, digital technologies, to prepare them for the modern workforce.” (Chris Hipkins, 2018)

Course description: The course will be delivered through a number of project based learning. Students will complete one compulsory project – web design and development and then choose either to do game development (Choice 2) or an electronics project (Choice 1). The course carries through to Level 3 and has various career pathways, this may be to support a career pathway such as engineering, digital careers, such as but not limited to; computer technician, programming, web developer, game designer, robotics, cyber investigation, media manipulation, media editing etc. Students will use an iterative process to design, develop, document and test advanced computer programs.

AS		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91891	Apply conventions to develop a design for a digital technologies outcome (Compulsory)	3	Y										
AS91893	Apply advanced techniques to develop a digital media outcome (Compulsory)	4	Y										
AS91892	Use advanced techniques to develop a database (Compulsory)	4											
AS91894	Use advanced techniques to develop an electronics outcome (Choice 1)	6	Y										
AS91896	Use advanced programming techniques to develop a computer programme (Choice 2)	6	Y										
AS91899	Present a summary of developing a digital outcome (Compulsory)	3		Y									
AS91898	Demonstrate understanding of a key aspect of a computer science concept (Choice)	3		Y									

Supplementary Materials/Web Access: \$40

Level 2 Drama

Total number of credits: 22

Course description: This course is a progression from Level 1 Drama and designed for those contemplating a career in the profession or simply because it is of interest. The course provides an opportunity to further explore the elements, conventions, techniques and technologies of drama, both in process and in performance works. Students will rehearse and perform plays in a range of dramatic forms and devise a performance. Class work consists mainly of group work, and it is important that students work cooperatively. An integral part of studying drama is the opportunity to watch professional theatre. For students with an interest in script-writing and directing, AS91220 and AS91221 may be offered at the discretion of the teacher. This is an excellent course to pair with Performing Arts Technology.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
91213	Apply drama techniques in a scripted context	4	Y		R	Y							SR
91214	Devise and perform a drama to realise an intention	5	Y			Y							SR
91216	Use complex performance skills associated with a drama or theatre form or period	4	Y		R	Y							SR
91218	Perform a substantial acting role in a scripted production	5	Y		R	Y							SR
91220	Script a scene suitable for drama performance	4	Y		W	Y					R		SR
91221	Direct a scene for drama performance	4	Y		R	Y					R		SR
91219	Discuss drama elements, techniques, conventions and technologies within live performance	4		Y	W	Y							R

Entry recommendations: At least 14 credits from Level 1 Drama. However, other students may be considered for the course through audition at the discretion of the Drama teacher and the HoD of Music/Drama

Stationery: 1 x refill pad, 1 x 20 page clearfile

Level 2 Engineering Technology

Total number of credits: 17

Course description: This course is designed to lead into apprenticeships and further education. Prior knowledge is built on and furthered, through the use of milling machines and advanced lathing and welding techniques. Students refine skills through practical, hands on learning as well as assessment tasks that lead them through to achieve projects with integrated parts. Students work with a variety of materials and engineering techniques. The course covers a range of vocational pathways leading students into many possible careers in Construction and Infrastructure, Manufacturing and Technology and Primary Industries.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
US21911	Safety on engineering worksites	2	Y						S				
US4436	Select, use, and care for engineering marking-out equipment	3	Y						S				
US2395	Select, use, and care for engineering hand tools	4	Y						S				
US20917	Demonstrate basic knowledge of engineering materials	2	Y						S				
AS91344	Implement advanced procedures using resistant materials to make a specified product with special features	6	Y					S	S				S

Entry recommendations: Level 1 Engineering Tech is an advantage or by consultation with the teacher

Supplementary Materials/Equipment Fee: \$80

Stationery: clearfile, pen, pencil

Level 2 English (is a recommended subject at Year 12)

Total number of credits: Approximately 18

Course description: This Level 2 course uses thematically linked texts. Topics will develop students' ability to use language more accurately and effectively. It will give students a greater appreciation of the way ideas are expressed, encouraging perceptive responses. Students will select standards appropriate to interest and needs. The course emphasises critical analysis for exams, which will lead to Level 3 English.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91101	Produce a selection of crafted and controlled writing	6	Y		W	Y							
AS91105	Use information literacy skills to form developed conclusions	4	Y		R	Y							
AS91107	Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence	3	Y			Y							
AS91098	Analyse specified aspects of studied written text(s), supported by evidence	4		Y	B	Y							
AS91099	Analyse specified aspects of studied visual or oral text(s), supported by evidence	4		Y	W	Y							
AS91104	Analyse significant connections across texts, supported by evidence	4	Y			Y							

Entry recommendations: A minimum of 12 credits at Level 1

Equipment: Laptop or Chromebook

Level 2 Geography

Total number of credits: 18

Course description: Geography is the study of both the natural and cultural environments and how they interact. At Level 2 it involves a selection of 5 achievement standards. Two external topics will be taught 2.1 – a large natural environment like the Tongariro Volcanic environment and 2.4 – applying concepts and geographic skills. Other areas of study will be Contemporary Geographic Issues, Global Studies and undertaking individual Research and Field trips.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
91244	Conduct geographic research, with guidance	5	Y			Y	Y						
91245	Explain aspects of a contemporary New Zealand geographic issue	3	Y			Y							
91246	Explain aspects of a geographic topic at a global scale	3	Y			Y							
91240	Demonstrate geographic understanding of a large natural environment	4		Y		Y							
91243	Apply geography concepts and skills to demonstrate understanding of a given environment	4		Y		Y							

Entry recommendations: Year 11 Geography is useful but not essential. Level 2 Geography is open to all students who can use a range of resources, interpret tasks accurately and write clearly. If you have taken Level 1 then you must have at least 14 Level 1 credits, 4 of these must be external.

Field Trips: Tongariro – 4 days \$280

Level 2 Health

Total number of credits: Up to 20

Course description: Students will learn a variety of health concepts and strategies and cover topics such as, managing health; sexuality and gender issues; enhancing personal and community well-being; and analysing adolescent health issues. Offsite visits and work my occur.

Students will have the opportunity to gain a Merit or Excellence endorsement for this course when 15 or more credits at Merit or Excellence are gained. At least 5 of those 15 credits must be gained from an external standard.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS 91235	Analyse an adolescent health issue	5		Y		Y							
AS 91236	Evaluate factors that influence people’s ability to manage change	5	Y			Y							
AS 91237	Take action to enhance an aspect of people’s well-being within the school or wider community	5	Y			Y							
AS 91239	Analyse issues related to sexuality and gender to develop strategies for addressing the issues	5	Y			Y							

Level 2 Hospitality

Total number of credits: Approximately 18

Course description: This course supports students who wish to enter hospitality training industry. There are four components to be assessed: open book work, closed book assessments, verbal and practical cookery tasks.

NB: On average, there will be **one practical lesson** and **three theory lessons** each week.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
US 13285	Handle and maintain knives in a commercial kitchen	2	Y										
US 167	Practise food safety methods in a food business under supervision	4	Y										
US 13283	Prepare and present salads for service	2	Y										
US 13276	Cook food items by grilling	2	Y										
US 13281	Prepare and present basic sandwiches for service (optional)	2	Y										
US 17285	Demonstrate knowledge of commercial espresso beverages under supervision	4	Y										
US 13271	Cook food items by frying	2	Y										
US 13280	Prepare fruit and vegetable cuts	2	Y										

Entry recommendations: Minimum 14 credits at Level 1 Hospitality

Stationery etc: Pens, pencils, highlighters, glue stick, hair ties, covered shoes

Supplementary Materials/Equipment Fee: \$100 for practical component and ServiceIQ individual training/assessment books, photographs for evidence

Level 2 (3) History

Total number of credits: Approximately 18 (19)

Course description: This year History will be taught at two levels. Level 2 / 3 students will be learning the same context and Level 2 students will have the opportunity to be assessed at Level 2 or at Level 3. The course is a broad survey of NZ in the 19th Century, focussing of three main themes. Within these, we will select interesting topics to study in depth. The internal component worth 14 (15) credits, will consist of a research investigation in an historical context of the student's choice. They will communicate historical ideas and complete a perspectives internal as well. History is a valuable subject because it promotes an understanding of the world we live in today, as well as the past. It helps develop enquiring minds and organised analytical thinking. History reinforces skills for dealing with information, such as research and essay writing which is useful in tertiary study and in many careers.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS 91232 AS 91437	Interpret different perspectives of people in an historical event Analyse different perspectives of a contested event of significance to New Zealanders	4 5	Y Y		R	Y							
AS 91230 AS 91435	Examine an historical event or place that is of significance Analyse an historical event or place that is of significance	5 5	Y Y		R	Y							
AS 91229 AS 91434	Carry out an inquiry of an historical event or place that is significant Research an historical event or place of significance	5 5	Y Y		R	Y							
AS 91231 AS 91436	Examine sources of an historical event that is of significance Analyse evidence relating to an historical event of significance	4 4		E E	B	Y							

* LEVEL 3 is in BOLD

Entry recommendations: Level 2: At least 12 credits at L1 History or 14 credits in L1 English

Level 3: At least 12 credits at L2 History or 14 credits in L2 English

Level 2 Mathematics

Total number of credits: Up to 18

Course description: This course continues and extends the work of the NCEA Level 1 course. New topics are introduced while others are taken to a greater depth. The emphasis in this class will be on algebra concepts and functions. This course is a prerequisite for entry into either Level 3 Mathematics with Calculus or Statistics and Modelling. Students wishing to gain entry into Level 3 Statistics must achieve in 91267 Probability Methods. Students wishing to enter Level 3 Calculus will only be prepared if they achieve in all other standards.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91256	Apply Coordinate Geometry Methods in Solving Problems	2	Y				Y						
AS91259	Apply Trigonometric Methods in Solving Problems	3	Y				Y						
AS91257	Apply Graphical Models in Solving Problems	4	Y				Y						
AS91261	Apply Algebraic Methods in Solving Problems	4		Y			Y						
AS91262	Apply Calculus Methods in Solving Problems	5		Y			Y						
AS91267	Apply Probability Methods in Solving Problems (optional)	4		Y			Y						

Entry recommendations: Achieved L1 externals Algebra 91026 & Graphs 91027 **Supplementary Materials/Equipment Fee + Workbooks:** \$35, graphics calculator approx \$100

Level 2 Mathematics with Statistics

Total number of credits: 17

Course description: This course continues and extends the work of the Level 1 course. New topics are introduced while others are taken to a greater depth. It will cover Achievement Standards as outlined below. The **statistics course** will include one external and several internal Achievement Standards as shown below. The external standard 91267 will be assessed by national examination at the end of the year and will be a prerequisite for the Level 3 Statistics course in 2018.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS 91264	Use Networks in solving problems	2	Y				Y						
AS 91264	Use statistical methods to make an inference	4	Y			Y	Y						
AS 91265	Conduct an experiment to investigate a situation using statistical methods	3	Y			Y	Y						
AS 91268	Investigate a situation using simulation	2	Y			Y	Y						
AS 91267	Apply Probability Methods in Solving Problems	4		Y		Y	Y						

Entry recommendations: Achieved in the Level 1 External *Chance and Data 91037*

Supplementary Materials/Equipment Fee + Workbooks: \$35, graphics calculator approx \$100

Level 2 Media Studies

Total number of credits: Approximately 18

Course description: Because of the strong influence that the media exerts on us as individuals and as a society, a study of how it works can be empowering, and this course is designed to develop your media literacy, and ability to communicate in an increasingly complex technological world. We will be studying a range of media texts; analysing their construction, the relationship between producer and audience, and the ideologies they represent. You will be encouraged to draw on your own experiences as consumers of the media, in order to develop independent thinking skills and powers of critical analysis. Another major aspect of the course is applying your knowledge of how a media text is constructed in order to produce your own, such as an advertising campaign, short film or TV trailer.

AS/US	Possible standards available	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91249	Demonstrate understanding of narrative in media texts	4		Y		Y							
AS91251	Demonstrate understanding of an aspect of a media genre	4		Y	B	Y							
AS91252	Produce a design and plan for a developed media product using a range of conventions	4	Y			Y							SR
AS91253	Complete a developed media product from a design and plan using a range of conventions	6	Y			Y							SR

Entry recommendations: An interest in and enthusiasm for the Media, a willingness to work hard and learn new ideas and skills, and ability in English

Equipment: Laptop or Chromebook

Level 2 Music**Total number of credits:** Minimum 14 credits (subject endorsement is possible with the inclusion of an external standard)

Course description: This course will build on the experiences of Level 1 Music and will enable students to further develop their knowledge of music's elements, conventions, processes, techniques and technologies. The course provides students with the opportunity to perform as both a featured soloist and as a member of a group; compose a variety of pieces of music, and study music works, identifying, describing and comparing the musical features and social context of the works. The development of aural skills is intrinsic to all music learning. As students listen to music, they develop understandings about music history and theory, as well as enhancing their understandings of the world through listening to music from diverse musical contexts. Students must play an instrument and should be learning either through the Itinerant Music Scheme or privately. Students are expected to dedicate at least 2 hours a week practising their instrument. Students select their own programme of standards in consultation with their teacher. Please Note: AS91278 is compulsory and all students are expected to enter in one external assessment.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
91270	Perform two substantial pieces of music as a featured soloist	6	Y										SR
91271	Compose two substantial pieces of music	6	Y										SR
91272	Demonstrate ensemble skills by performing a substantial piece of music as a member of a group	4	Y										SR
91273	Devise an instrumentation for an ensemble	4	Y										SR
91274	Perform a substantial piece of music as a featured soloist on a second instrument	3	Y										SR
91278	Investigate an aspect of New Zealand music	4	Y			Y							SR
91277	Demonstrate understanding of two substantial contrasting music works	6		Y	W	Y							SR

Entry recommendations: Students must gain at least 14 credits in NCEA Level 1 Music and be able to play their instrument of choice (including voice) to the equivalent of at least three years of group itinerant tuition confidently. Other students may gain entry by audition and at the discretion of the HoD Music.

Equipment: 1 x refill pad, 1 x document wallet

Level 2 Performing Arts Technology

Total number of credits: Up to 23

Course Description: This is a practical course designed to focus on the technical aspects of the performing arts and offers standards in Costume, Make-up, Prop, Set, Lighting and Sound Design as well as Stage Management. You will also have the opportunity for practical experience by involvement in the technology aspects of drama and school productions such as costume etc and, if taking Sound, setting up for bands and assembly. This course can be taken with or without drama. The course also has cross curricular links to other subjects like art, photography, textiles and media, and music. During the course you will also have the opportunity for theatre trips to see plays.

Standards	Standard title	Credits	INT	EXT	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
US27703	Demonstrate and apply knowledge of sound control and enhancement processes required in a performance	4	Y										
US27700	Demonstrate and apply knowledge of stage lighting design and process for a performance context	4	Y										
US27704	Design and construct item(s) to meet production needs for a performance context	4	Y										
US27699	Research and design a costume for a specified performance context	4	Y										
US27701	Demonstrate knowledge and skills of makeup design and application for a special character	3	Y										
US27702	Take responsibility for a production area of a performance	4	Y										

Entry recommendations: None. Experience in design and/or construction welcomed.

Stationery: A4 ringbinder (2 ring), refill pad, 10 pack copy safe pockets

Level 2 Photography

Total number of credits: 16

Course description: This course includes taking Documentary Photographs and using a SLR Digital camera, producing a portfolio and photographing in a variety of light sources.

AS		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
91307	Demonstrate an understanding of methods & ideas from established practice appropriate to photography	4	Y			Y							SR
91312	Use drawing methods to apply knowledge of conventions appropriate to photography.	4	Y										SR
91317	Develop ideas in a related series of drawings appropriate to established photography practice.	4	Y										SR
91325	Produce a resolved work that demonstrates control of skills appropriate to cultural conventions.	4	Y										SR

Entry recommendations: Knowledge and use of Photoshop an advantage and is a requirement at Level 3

Stationery: 1 x glue stick, 1 x A3 drawing envelope, 1 x A3 20 page clear file

Supplementary Materials/Equipment Fee: Rental of an SLR Digital Camera \$20 per term, photographic paper and printing ink approx \$20 per term

Level 2 Physics**Maximum number of credits: 17**

Course description: Science is the business of learning about how the whole universe works. The course aims to provide students with lifelong applicable knowledge of the physical processes that surround us. Whether students want to pursue science or not, physics provides the basis for how everything works such as wiring a speaker, understanding how waves travel, to finding the most efficient way to lift a box or build a bridge, there is something useful for everyone. Students will gain an understanding of mechanics (things that move), waves(light, sound etc.), and nuclear physics. We will be focusing on learning through practical investigations, inquiry driven learning and research based tasks and a holistic look at how the above fields of knowledge interact.

Standards		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
91168	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	4	Y			Y	Y						
91172	Demonstrate understanding of atomic and nuclear physics	3	Y			Y							
91171	Demonstrate understanding of mechanics	6		Y		Y	Y						
91170	Demonstrate understanding of waves	4		Y		Y	Y						

Entry recommendations: Level 1 NCEA credits in at least one Level 1 Science external or HOD approval

Level 2 Physical Education

Total number of credits: Approximately 17-20

Course description: This NCEA course has a combination of practical and written assessments and will continue the work covered in Level 1 Physical Education. Students will complete 3 common standards totalling 10 credits. They will then select one of five different pathways, based on their learning needs, expertise and interests, to make up the remaining credits. There may be an opportunity for student to participate in some Outdoor Education standards.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS 91330 (2.4)	Perform a physical activity in an applied setting	4	Y										
AS 91334 (2.8)	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity	3	Y										
AS 91336 (2.10)	Analyse group processes in physical activity	3	Y			Y							
Pathway Standards													
AS 91331 (2.5)	Examine the significance for self, others and society of a sporting event, a physical activity, or a festival	4	Y			Y							
AS 91333 (2.7)	Analyse the application of risk management strategies to a challenging outdoor activity	3	Y			Y							
AS 91335 (2.9)	Examine the implementation & outcome(s) of physical event or opportunity	3	Y			Y							
AS 91207 (Dance 2.3)	Perform an ethnic or social dance to communicate understanding of the style	4	Y										SR
US 22769	Demonstrate knowledge of basic skills and rules at a beginner level for a sport	2	Y										
US 425	Experience day tramps	3	Y				N						
US 426	Experience camping	3	Y				N						
US 431	Navigate in good visibility on land	3	Y				N						
US 457	Mountain bike on intermediate to expert terrain	2	Y				N						

Level 2 Spanish

Total number of credits: Approximately 19 – 24

Course description: In this course, students continue to learn to communicate in an additional language, develop their capacity to learn further languages, and explore different world views in relation to their own. Students will learn to use language effectively to express and justify their own ideas and opinions, and support or challenge those of others. In Level 2 students develop beyond being able to communicate about themselves to being able to communicate about the world beyond their immediate environment. Topics covered include: Family relationships; Study, travel, work; Healthy living; Technology.

AS		Credits	Int	EXT	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS 91148	Demonstrate understanding of a variety of spoken Spanish texts on familiar matters	5		Y									
AS 91149	Interact using spoken Spanish to share information and justify ideas and opinions in different situations (optional)	5	Y										
AS 91150	Give spoken presentation in Spanish that communicates information, ideas and opinions	4	Y										
AS 91151	Demonstrate understanding of a variety of written and/or visual Spanish text/s on familiar matters	5		Y									
AS 91152	Write a variety of text types in Spanish to convey information, ideas, and opinions in genuine contexts	5	Y										

Entry recommendations: To achieve success in NCEA Level 2 Spanish, students will need to have completed NCEA Level 1 Spanish

Level 2 General Science

Course Description: This course is designed to give students a sample of all three of the main sciences (Physics, Chemistry and Biology) as well as from Earth and Space Science. Assessments come from the investigation of the use of NZ rocky shore in Biology, water pollution in Chemistry and the swing of a pendulum in Physics. It is an internals based program with three practical investigations and one scientific report. Students who choose this course may not take another science at Level 2. This course is for students who enjoy science but may not be able to cope with the literacy and pace of the three main stream sciences courses.

AS		Credits	Int	EXT	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
91158	Investigate a pattern in an ecological community, with supervision	4	Y			Y							
91911	Quantitative Analysis of a chemical species (Ions in solution).	3	Y										
91188	Examine an Earth and Space Science issue and the validity of the information communicated to the public	4	Y			Y							
91167	Demonstrate understanding of oxidation-reduction	3	Y										

Entry recommendations: 8 credits in Level 1 Science and the workbooks cost is \$24

Level 2 Te Reo Maori

Total number of credits: Approximately 22

Course description: This NCEA course has a combination of practical and written assessments and will continue the work covered in NCEA Level 1 Te Reo and Tikanga Maori standards.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS 91284	Whakarongo kia mohio ki te reo o te ao torotoro	4	Y			Y							
AS 91285	Korero kia whakamahi i te reo o te oa torotoro	6	Y			Y							
AS 91286	Tuitui kia mohio ki te reo o te ao torotoro	6		Y	R	Y							
US 13363	Demonstrate knowledge and skills of waiata a-ringa	6	Y										
US 13367	Demonstrate knowledge and skills of poi	10	Y										
US 13371	Demonstrate knowledge and skills of haka	6	Y										

Entry recommendations: Students who were successful in Te Reo Maori at Level 1. Students are also expected to participate in Nga Manu Korero competitions

Stationery: 1x 2B5 book

Field Trips: to be advised

Level 2 Textiles & Design Technology

Total number of credits: up to 22

Course description: At this level, students are encouraged to work more independently, problem solve and actively seek their own resources to bring into the classroom to create their own style of work. Innovation for sustainability, requires we consider how essential textiles are in society (pre & post-colonial NZ) whilst considering the significant impact textile manufacture has on the environment. Students will advance their skills and knowledge of textile related technologies and then apply these skills to the development of a sustainable product or garment in response to a brief. Students will refine their designs through testing and trialling various techniques and the making and modification of prototypes. Your design process and outcomes will be recorded and assessed via a portfolio (digital and/or A3 visual diary)

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91345	Develop a conceptual design for an outcome	6	Y						SR				
AS91356	Undertake effective development to make and trial a prototype	6	Y										SR
AS91357	Implement advanced procedures using textile materials to make a specified product with special features	6	Y						SR				
AS91963	Demonstrate understanding of sustainability in design	4		Y									

NB: Externalers are offered for those wanting endorsement

Entry recommendations: Level 1 Textiles & Design. Computer notebook skills an advantage

Supplementary Materials/Equipment Fee: \$90 **Equipment:** A3 visual diary

Level 2 Tourism**Total number of credits:** Approximately 26

Course description: Tourism is a two-year course (Years 12 and 13) which gives students the New Zealand Certificate in Tourism. The course introduces students to the skills and knowledge required by the travel and tourism industry as the basis for further industry related training. People who gain this qualification have demonstrated written and verbal communication skills, and mathematical and information technology skills in the context of the tourism and travel industry. The course covers both national and international travel destinations. Each student works at their own work pace and makes connections to their own travel experiences.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
US 24728	Demonstrate knowledge of work roles in the tourism	3	Y								SR		
US 23761	Read and comprehend work-related documents in English	3	Y								SR		
US 24732	Demonstrate knowledge of tourist characteristics and needs	3	Y								SR		
US 24729	Demonstrate knowledge of World Tourism Destinations	4	Y								SR		
US 24730	Demonstrate knowledge of the business of tourism	4	Y								SR		
US 24731	Demonstrate knowledge of New Zealand tourist destinations	4	Y								SR		
US 18237	Perform calculations in the workplace	3	Y								SR		
US 23767	Demonstrate knowledge of and use of the internet in a tourism workplace	2	Y								SR		

Entry recommendations: None, but an interest in travel is an advantage

Level 2 Visual Arts

Total number of credits: Up to 24

Course description: This course will build on the experiences and skills from Level 1 Visual Art. Students will tackle a range of projects so that by the end of the year they will have covered Sculpture, Design and Painting. They will also look at different ways in which art is produced by artists and designers in New Zealand and around the world, both in a contemporary and an historical context. Students will complete a minimum of 4, and a maximum of 5, achievement standards from the 7 offered.

AS/US		Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
91306	Demonstrate an understanding of methods and ideas from established practice appropriate to painting.	4	Y										SR
91309	Demonstrate an understanding of methods and ideas from established practice appropriate to sculpture.	4	Y										SR
91311	Use drawing methods to apply knowledge of conventions appropriate to painting	4	Y										SR
91314	Use drawing methods to apply knowledge of conventions appropriate to sculpture	4	Y										SR
91316	Develop ideas in a related series of drawings appropriate to established painting practice	4	Y										SR
91319	Develop ideas in a related series of drawings appropriate to established sculpture practice	4	Y										SR
91325	Produce a resolved work that demonstrates control of skills appropriate to cultural conventions	4	Y										SR

Entry recommendations: Attempted, and preferably passed, Level 1 Visual Arts **Stationery:** 2 X 2B graphite pencils, 1 X A3 Drawing envelope, 1 X A3 20 page clear file
Supplementary Materials/Equipment Fee: \$40 take home materials (All materials will be provided by the Art Department through the course contribution)