



## LEVEL 3 COURSES for 2019

SUBJECT	TIMETABLE CODE
Art Design	L3ADES
Calculus	L3CAL
Chemistry	L3CHE
Digital Technology	L3DGT
English	L3ENG
History	L3HIS
Painting	L3PTG
Photography	L3PHT
Science	L3SCI
Sport and Recreation	L3REC
Sport and Health Science	L3SPO
Statistics and Modelling	L3STA
Te Reo Maori Me Ona Tikanga	L3TRM
<b>ACADEMIES</b>	
Maori Creative and Performance Arts	L3TMCP
Services Academy	L3SVR

***Successful Learners – the only option***

# ART DESIGN

## LEVEL 3 ART DESIGN

Students will produce a portfolio of Design work for a brand, product or event. They will incorporate their own photographic resource imagery. The project will include the development of logo and promotional design using hand drawn and digital technologies. Students will develop skills using camera and photography studio, Adobe Creative Suite, handmade illustration and design art theory. Students will investigate the processes and intentions of contemporary artist models from Aotearoa and the world. Students are encouraged to take part in the Scholarship extension programme where students develop an additional 8 x A3 page research document alongside their investigation for the portfolio.



*Design by Caleb Toi*

- One 3 x A1 panel portfolio is required for the external standard submission in Term 4.

The actual standards will be finalised at the beginning of next year when the teacher and students will co-construct the course depending on interests and strengths.

**Fee - \$40.00**

Internal standard	Description	Literacy	Credits
91445	Use drawing to demonstrate understanding of conventions appropriate to design		4
91450	Systematically clarify ideas using drawing informed by established design practice		4
External standard			
91455	Produce a systematic body of work that integrates conventions and regenerates ideas within design practice		14

# CALCULUS

## LEVEL 3 CALCULUS – (Distance Learning)

Students should have completed the Level 2 Calculus standard. It is a more abstract course than statistics.

Requires LOL approval.

Internal standards	Description	Numeracy	Credits
91587	Apply systems of simultaneous equations in solving problems	✓	3
91575	Apply trigonometric methods in solving problems	✓	4
External standards			
91261	Apply the algebra of complex numbers in solving problems	✓	5
91262	Apply differentiation methods in solving problems	✓	6
91579	Apply integration methods in solving problems	✓	6

# CHEMISTRY

## LEVEL 3 CHEMISTRY– (Distance Learning)

Students will research current scientific ideas and investigate the chemical and physical properties of a variety of substances (including ionic, molecular, organic compounds)

The internal component has hands on experiments investigating the different physical and chemical processes, oxidation and reduction reactions, using scientific equipment to analyse chemical reagents and researching about current chemical processes.

The actual standards will be finalised at the beginning of next year when the teacher and students will co-construct the course depending on interests and strengths. The standards will be chosen from the following:

Requires LOL approval.

Internal standards	Description	Literacy	Numeracy	Credits
91388	Demonstrate understanding of spectroscopic data in chemistry.			3
91389	Demonstrate understanding of chemical processes in the world around us.	✓		3
91393	Demonstrate understanding of oxidation-reduction processes.	✓		3
External standards				
91390	Demonstrate understanding of thermochemical principles and the properties of particles and substances.	✓		5
91391	Demonstrate understanding of properties of organic compounds.			5

# DIGITAL TECHNOLOGY

## LEVEL 3 DIGITAL TECHNOLOGY

Students will have the opportunity to specialise in an Information Technology area of interest including Web design, 3D modelling, 3D animation or Game development. You must also demonstrate your understanding of complex concepts of information systems in a business.

Consider choosing this subject if you:

- experienced success in Digital Technology as a Year 12
- are confident working within a creative digital environment

**Fee - \$10.00**

Internal standards	Description	Literacy	Credits
91610	Develop a conceptual design considering fitness for purpose in the broadest sense	✓	6
91635	Implement complex procedures to produce a specified digital media outcome	✓	4
91611	Develop a prototype considering fitness for purpose in the broadest sense	✓	6
91632	Demonstrate understanding of complex concepts of information systems in an organisation	✓	3

# ENGLISH

## LEVEL 3 ENGLISH

Students will engage in a range of more complex literary texts chosen from novel, short story, poetry, film, and a Shakespearean play.

Students learn how to write academic essays and carry out research of the type required for tertiary study. There is an introduction to critical theory with a consideration of different perspectives.

The anchor text is finalised early in the year according to student interest. The film component builds on level 1 and 2 film studies and requires an ability to close read film.

Consider choosing this subject if you:

- have an enjoyment of reading and writing.
- have a willingness to engage with ideas and to work independently.

The actual standards will be finalised at the beginning of next year when the teacher and students will co-construct the course depending on interests and strengths. The standards will be chosen from the following:

Internal Standards	Description	U.E Literacy	Credits
91475	Produce a selection of fluent and coherent writing which develops, sustains and structures ideas.	✓ W	6
91478	Respond critically to significant connections across texts, supported by evidence		4
91476	Create and deliver a fluent and coherent oral presentation which develops, sustains and structures ideas.		3
91480	Respond critically to significant aspects of visual and/or oral text(s) through close reading, supported by evidence		3
External Standards			
91474	Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence	✓ R, W	4
91472	Respond critically to specified aspect(s) of studied written text(s)		4

# HISTORY

## LEVEL 3 HISTORY

Students will further develop their research skills in History and other Social Science areas.

Students will be able to choose the context for their assessments based on their interests and in consultation with the teacher.

This course works well with other courses in the school. For example, it can give you the research skills and content knowledge to gain credits in the Te Reo Maori research about the Maori Prophets.

Internal standards	Description	Literacy	Credits
91434	Research an historical event or place of significance to New Zealanders, using primary and secondary sources	✓ R	5
91435	Analyse an historical event, or place, of significance to New Zealanders	✓ R	5
91437	Analyse different perspectives of a contested event of significance to New Zealanders	✓ R	5
External standard			
91438	Analyse the causes and consequences of a significant historical event	✓ R, W	6

# PAINTING

## LEVEL 3 PAINTING

Students will produce a portfolio of Painting. A theme of personal interest will be developed. Students will incorporate their own photographic resource imagery. Students will develop skills using camera and photography studio, Photoshop, painting techniques, and painting art theory. Students will investigate the processes and intentions of contemporary artist models from Aotearoa and the world. Students are encouraged to take part in the Scholarship extension programme where students develop an additional 8 x A3 page research document alongside their investigation for the portfolio.



*Painting by Matariki Totoro*

- One 3 x A1 panel portfolio is required for the external standard submission in Term 4.

The actual standards will be finalised at the beginning of next year when the teacher and students will co-construct the course depending on interests and strengths.

**Fee - \$80.00**

Internal standard	Description	Literacy	Credits
91446	Use drawing to demonstrate understanding of conventions appropriate to painting		4
91451	Systematically clarify ideas using drawing informed by established painting practice		4
<b>External standard</b>			
91456	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice		14



# PHOTOGRAPHY

## LEVEL 3 PHOTOGRAPHY

Students will produce a portfolio of Photography. A theme of personal interest will be developed. Students will develop skills with DSLR camera operation, professional photographic studio practice, Adobe Creative Suite, and photographic art theory. They will edit and manipulate photographic images in post-production using digital processes. Students will investigate the processes and intentions of contemporary artist models from Aotearoa and the world. Students are encouraged to take part in the Scholarship extension programme where students develop an additional 8 x A3 page research document alongside their investigation for the portfolio.



*Photography by Grace Ligairi*

- One 3 x A1 panel portfolio is required for the external standard submission in Term 4.

The actual standards will be finalised at the beginning of next year when the teacher and students will co-construct the course depending on interests and strengths.

**Fee - \$80.00**

Internal standard	Description	Literacy	Credits
91447	Use drawing to demonstrate understanding of conventions appropriate to photography		4
91452	Systematically clarify ideas using drawing informed by established photography practice		4
External standard			
91457	Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice		14

# SCIENCE

## LEVEL 3 SCIENCE

General science course with a practical science and environmental sustainability focus.

Support from Papa Taiao for the EfS standard will be free.

No extra costs outside of normal science budget.

Internal standard	Description	Literacy	Credits
90828	Evaluate a personal action that contributes towards a sustainable future	✓	6
91601	Carry out a practical investigation in a biological context, with guidance	✓	4
91411	Investigate a socio-scientific issue in an Earth and Space Science context	✓	4
91604	Demonstrate understanding of how an animal maintains a stable internal environment	Y	3
External standard			
91414 (optional)	Demonstrate understanding of processes in the atmosphere system		4

# SPORT AND RECREATION

## LEVEL 3 SPORT AND RECREATION

This is **NOT** an approved University subject.

Students will have opportunities to achieve in practical and theoretical aspects of physical activity.

Internal standards	Description	Literacy	Credits
22769	Conduct and review a beginner level coaching session		6
22771	Plan a beginner level coaching session for sports participants		4
21414	Plan and run a recreation activity		4
20673	Demonstrate knowledge of injury prevention and risk and injury management in sport or recreation		4
91501	Demonstrate quality performance of a physical activity in an applied setting <i>(Students will be offered this assessment throughout the year, providing them with a range of opportunities to attain the highest grade they can. Marks will be finalised and submitted in Term 4).</i>	✓	4
28932	<i>* Scuba dive in open water to a maximum depth of 18 metres</i>		7
28407	<i>* Complete a scuba dives off a boat in open water</i>		3
28408	<i>* Complete a scuba dive off shore in open water</i>		4

*\* These standards may be offered at the end of Term 3. The criteria for participation in these standards is attendance, completion of all previous standards, and medical clearance or at the discretion of the Teacher in Charge with consultation with the Leader of Learning.*

# SPORT AND HEALTH SCIENCE

<b>LEVEL 3 SPORT SCIENCE</b>				
Students will have opportunities to achieve in practical and theoretical aspects of physical activity. However this course is more theory based than Sport & Recreation.				
<b>Internal standards</b>	<b>Description</b>	<b>Literacy</b>	<b>Numeracy</b>	<b>Credits</b>
91498	Evaluate physical activity experiences to devise strategies for life long well being			4
91501	Demonstrate quality performance of a physical activity in an applied setting.  <i>(Students will be offered this assessment throughout the year, providing them with a range of opportunities to attain the highest grade they can. Marks will be finalised and submitted in Term 4).</i>		✓	4
91500	Creaaate the effectiveness of a performance improvement programme			4
91502	Examine a current physical activity event, trend or issue and its impact on New Zealand			4
<b>Health standard</b>	<b>LEVEL 3 HEALTH</b>			
91463	Evaluate health practices currently used in New Zealand			5
91461	Analyse a New Zealand Health Issue			5
91464	Analyse a contemporary ethical issue in relation to well being			4
External				
91462	Analyse an international health issue			5
91465	Evaluate models for health promotion			5
	<ul style="list-style-type: none"> <li>• <i>Dependant on the cohort I will select the relevant external.</i></li> </ul>			

\* These standards may be offered at the end of Term 3. The criteria for participation in these standards is attendance, completion of all previous standards, and medical clearance or at the discretion of the Teacher in Charge with consultation with the Leader of Learning.

## STATISTICS AND MODELLING

### LEVEL 3 STATISTICS AND MODELLING

Students will study the mathematics required for statistics and probability. It is particularly suitable for students with an interest in the social sciences and science.

Internal standards	Description	Numeracy	Credits
91574	Apply linear programming methods in solving problems	✓	3
91587	Apply systems of simultaneous equations in solving problems	✓	3
91581	Investigate bi-variate measurement data	✓	4
91582	Use statistical methods to make a formal inference	✓	4
External standard			
91585	Apply probability concepts in solving problems	✓	4

## TE REO MĀORI ME ONA TIKANGA

### LEVEL 3 TE REO MAORI ME ONA TIKANGA

Students will take part in general conversation with speakers of Te Reo Māori, understand most of what is said, and contribute relevant comments. They will explain and discuss many of their own ideas and opinions and may use Te Reo Māori creatively. They can read a variety of authentic Te Reo Māori materials and write expressively for a range of purposes. Students will use a range of strategies to help them learn Te Reo Māori effectively, and they demonstrate a high level of fluency for a learner of Te Reo Māori as a second language.

Te Reo Maori students that are part of the school Kapa Haka will have the opportunity to complete the requirements of the Maori Performing Arts Standard as per the Level 3 MCP programme. Performances at Te Tai Tokerau Festival and Regional Competitions will be kept for evidence towards these standards.

Students have now demonstrated consistent genuine interest or passion in learning and continuing to develop knowledge and skill in Te Reo Māori and Tikanga Māori as they are intertwined, and so learning Te Reo Māori will enhance students access to te ao Māori (the Māori world) and to Māori world views. The insights and experiences (Maori Performing Arts) that students gain as they learn the language will enrich and broaden their understandings of the uniqueness and complexity of Te Ao Māori.

The actual standards will be finalised at the beginning of next year when the teacher and students will co-construct the course depending on interests and strengths. The standards will be chosen from the following:

Internal Standards	Description	Literacy	Credits
91650	Whakarongo kia mōhio ki te reo Māori o te ao whānui		4
91651	Kōrero kia whakamahi i te reo Māori o te ao whānui		6
91654	Waihanga tuhinga whai take i te reo Māori o te ao whānui	✓	6
7259v8	Tuhituhi korero mo tetahi tangata me tona taiao	✓	7
<b>External standard</b>			
91652	Pānui kia mōhio ki te reo Māori o te ao whānui	✓	6

# TE PUNA O NGA TOI MAORI - MAORI CREATIVE PERFORMANCE ARTS

## LEVEL 3 MAORI CREATIVE PERFORMANCE

Students will further develop and take part in general conversation with speakers of Te Reo Māori, understand most of what is said, and contribute relevant comments. Students will use a range of strategies to help them learn te reo Māori effectively, and they demonstrate a high level of fluency for a learner of Te Reo Māori as a second language.

It is beneficial that all Level 3 MCP students are part of the school Kapa Haka where their learning will be developed and further refined to successfully meet the requirements of the Maori Performing Arts Standard and the Dance Achievement Standards. Performances at Te Tai Tokerau Festival and Regional Competitions will be kept for evidence towards these standards.

If time permits there is opportunity for L3 MCP students to participate in a Level 3 Mau Rakau Unit Standard which have been integrated in all MCP programmes. This kaupapa provides opportunity for students to learn historical knowledge and skills of 'Whawhai'. Selected Whakairo standards will be selected to further develop practical skill and application, design development including cultural practices, and protocols relevant to the Art.

Students have now demonstrated consistent genuine interest or passion in learning and continuing to develop knowledge and skill in Te reo Māori and Tikanga Māori as they are intertwined, and so learning Te Reo Māori will enhance student's access to te ao Māori (the Māori world) and to Māori world views. The insights and experiences (Maori Performing Arts) that students gain as they learn the language will enrich and broaden their understandings of the uniqueness and complexity of Te Ao Māori.

The actual standards will be finalised at the beginning of next year when the teacher and students will co-construct the course depending on interests and strengths. The standards will be chosen from the following:

Unit Standards	Description	Literacy	Credits
<b>KAPA HAKA STANDARDS</b>			
22756	Perform a Bracket		10
<b>WHAKAIRO STANDARDS</b>			
2572	Demonstrate formal welcome to manuhiri through te reo		10
2559	Observe tikanga and kawa practice to demonstrate cultural awareness in whakairo		10
23013	Apply Maori art conventions, designs and practices to develop whakairo.		6
23014	Develop ideas to create whakairo.		6
23015	Examine meaning in particular whakairo situations.		6
<b>DANCE STANDARDS</b>			
91590	Perform a solo or duet dance		4
91591	Perform a group dance		4
91592	Perform a repertoire of contrasting dances.		6
28100	Develop a plan to achieve a long-term personal financial goal(s)		4
17602	H&S		4
4249	Plan a Career Pathway		3
9681	Contribute within a team or group which has an objective		3
27548	Mau Rākau – Perform tētahi momo rākau whaiwhai		8

# SERVICES ACADEMY

## LEVEL 3 SERVICES

This is **NOT** an approved University subject.

The Tikipunga High School Services Academy provides those students - who maybe considering a career in the NZDF - with the skills, knowledge and experience to properly prepare them for Service life. It also suits students - who may not be considering a career in the NZDF – but are looking for an alternative education program that includes outdoor and physical challenges. Either way the Services Academy program will develop a student's strength of character that will help them succeed after leaving school.

The Academy academic program focuses on Unit Standards that are relevant to a career in NZDF.

Included in the Services Academy program are 3 opportunities to represent THS at military courses run by current serving NZDF personnel. These courses give a great insight into Service life that cannot be matched by any other Services Prep program. Additionally, the top students within the class will be selected to represent THS on Basic and Advanced leadership courses.

### 2019

Entry into the Services Academy for 2019 will be by application. Applications will open in Oct this year for any student who will be in Year 13 in 2019. All applicants will be interviewed as part of the selection process with successful applicants being notified by the end of the school year.

Students should consider choosing this subject if you:

- attend all NZDF Courses throughout 2019
- maintain at least an 80% attendance record
- be in correct uniform at all times
- behave in a way that promotes the values of the school
- be prepared to do Physical Training (PT) each day, regardless of weather conditions

*Ma mahi, ka ora - By work we prosper*

Internal standards	Description	Level	Credits
<b>SERVICES KNOWLEDGE</b>			
6400	Manage first aid in emergency situations	3	2
424	Assess and manage an emergency care situation during an outdoor recreation activity (External provider)	3	5
<b>LEADERSHIP SKILLS</b>			
1307	Speak to a known audience in a predictable situation	3	3
1312	Give oral instructions in the workplace	3	3
9705	Give and respond to feedback on performance	3	3
9681	Contribute within a team or group which has an objective	3	3
24663	Demonstrate leadership while participating in an adventure based learning programme	3	3