TRIDENT HIGH SCHOOL

Year 10
Subject Planning 2021

QUALITY WORK - RESPECT FOR OTHERS – COURAGE

CONTENTS

Year 10 Course for 2021

Trident High School has a proud record of Academic Achievement with students achieving high levels of success in the National Certificate of Educational Achievement from Level 1 through to Scholarship.

Subject Selection at Year 10 is a vital stage in preparing for the subjects chosen in Year 11, the start of the National Certificate of Educational Achievement.

Our aim is to provide students with a broad range of subjects, some compulsory and some optional. Compulsory subjects in Year 10 are English, Social Studies, Mathematics, Science, Technology and Physical Education. Optional subjects should be chosen with the future in mind as these options are all linked to subjects chosen in Year 11 and then followed through to Year 13.

Students choose options as set out in this subject planning booklet and then record them on the subject choice form. Course information for the options is listed below.

Students should work with their parents/whanau and Deans to finalise their course of study.

Year 10 Academic Year in a Nutshell

1. All students study English, Mathematics, Science, Social Studies and PE throughout the year.
2. Technology is a half year course, with students completing four modules either in Terms 1/2 or Terms 3/4.
3. When not in Technology, the students complete an option subject chosen from Group A Subjects: Architecture & Product Design, Maori Culture, Sports Leadership, and Art.
4. The major course change takes place around the beginning of Term 3 when Option 1 and Technology change over.
5. In the second option, students may choose a full year subject or two half year subjects.
6. These half year courses also change around the beginning of Term 3.

Notes from the Careers Department

In Years 9 and 10 students are encouraged to study a wide range of subjects to keep a large number of options open to them in the senior school. The curriculum is kept deliberately broad so that they do not specialise too early.

The Careers NZ website www.careers.co.nz is available online. It is recommended as an excellent source of up to date information to help with career planning and subject choice. The Student Careers Services is available to all students attending Trident High School. The school has a dedicated Careers Counsellor, who is there to help all students as well as two Guidance Counsellors for personal help.

Year 10 Learning Options

Students study the core subjects throughout the year and are able to choose option subjects from different groups. In some cases these subjects are delivered in their form classes, in other cases they will be re-organised to cater for different levels of teaching and learning. There are also a number of different learning groupings for students to consider – the Apex accelerated programme, the Te aka Motuhake programme and the bi-lingual Whakapiki i te Ao Māori class. There are also specific learning opportunities which can be considered – refer to the Special Programmes form in the Prospectus.

Choosing Your Subjects for 2021

Which Subjects Should I Study?

To choose your subject options you need to think about these things:

Range of subjects

- This is most important in Year 10
- The variety of subjects offered provides an opportunity to try new things and experience a number of different subjects

Interests

- What do you enjoy?
- You are more likely to work hard and do well in a course that interests you

Skills and abilities

- Which subjects are you good at?
- Discuss this with your parents and teachers

Learning style

Do you prefer:

- reading and writing
- listening and discussing
- practical work
- creative work

Career choices

- Research the subjects required or recommended for career areas you are interested in

Finding Out About Options

To make a decision about whether to study a subject, you need to be clear about the content and how it is assessed

- Some subjects may be new to you
- Year 9 is a good opportunity to try new subjects
- What topics does the subject include?
- Will the subject involve field trips, projects or performances?

You could consider these questions:

- Will I have to read many books?
- Will I have to write many essays?
- Will I need to do practical experiments?
- Will I need to make things?
- Will the subject involve discussion with other people in the class?
- How is the subject assessed – end of year exams, assignments, internal assessment?

Choose your subjects carefully. Option changes are only allowed in exceptional circumstances once a course has been commenced or confirmed

Students study these subjects throughout the year. In some cases they are in their form classes, in other cases they will be re-organised to cater for different levels of teaching.

English *(4 hours a week)*

Why English?

English is a core subject which provides the language skills and experience, which are essential to all learning and in all areas of life. It is a foundation for most careers especially where oral and written communication is important. English is prerequisite for many professions including: law, teaching, journalism, politics, marketing, radio, television etc. As a core subject, English is recommended for medicine and other science based tertiary courses where report writing and research are required.

Miss Nicola Bowe
Head of English

What do we teach?

Through a wide range of topics students develop essential skills around reading, writing, communication and meaning. There is emphasis on critical thinking, transactional writing and multi-modal literacy skills necessary for progression both within and beyond school. Practical skills covered include: formal, report, creative and essay writing, comprehension and deeper thinking strategies, and visual/verbal literacy skills. Students have the opportunity to participate in ICAS English competitions, national spelling bees, and inter-school debating and speech competitions. Students are actively encouraged to participate in authentic learning contexts such as school and community publications and writing workshops with published authors and public figures.

Mathematics *(4 hours a week)*

Mathematics is a core component of modern education. Mathematic skills are essential for problem solving and decision making in the 21st century. Students that specialise in Mathematics benefit from having a rigorous qualification at the end of schooling. Mathematics is a core prerequisite for numerous tertiary courses and careers. Trident High School offers students of all abilities suitable pathways of courses from Year 9 to 13.

Mrs Tracey Webster
Head of Mathematics

Students develop flexibility and creativity in applying mathematical strategies to everyday life. Students will develop the ability to reflect critically on the methods they have chosen. Problem solving, reasoning and communicating mathematical ideas are learned and assessed through the skills of Number, Measurement, Geometry, Algebra and Statistics. Students also have the opportunity to participate in the Australian Mathematics Competition, Maths Olympiad and in the Maths Mind Competition.

Science *(3 hours a week)*

Ms Katie Elliott
Head of Science

Biology is useful in careers such as nursing, physiotherapy, farm manager, dentist, horticulturist etc. Chemistry is helpful in careers such as pharmacist, agricultural scientist, dietician, forester, food technologist etc. Physics is helpful in careers such as optometrist, architect, engineer, physiotherapist, geologist, surveyor etc. Earth and Space Science is helpful in careers such as conservation, sustainability, geology, environmental studies etc.

Science is both a process of enquiry and a body of knowledge. It is an integrated discipline. The strands focus on the nature of science and relationship to technology, the development of scientific skills and attitudes and integrating these with the Living World, the Physical World, the Material World and the Planet Earth and Beyond.

Students attempt NCEA Level 1 Achievement Standards to broaden their base of standards for the senior school. This course leads onto Physics, Chemistry, Biology, Earth Ocean and Space and General Science in the senior school.

Social Studies *(3 hours a week)*

Mrs Julie Farrell
Head of Social Sciences

2020 has been an excellent example of why Social Studies is important. Social Sciences give you the skills to participate in an increasingly global society. They also encourage critical thinking, an appreciation for the past and an awareness of future issues such as sustainability. In today's world it is essential to understand different perspectives and Social Sciences allow students the opportunity to explore different ideas, values and cultures. Jobs associated with Social Studies include Planning, Lawyer, Statistician, Foreign Policy Officer, Teacher, Tourism, Historian, Economist, Climatologist, Human Resources, Events Planner and Anthropologist.

Social Studies aims to enable students to participate in a changing society as informed, confident and responsible citizens. They focus on the strands of identity, culture and organisation, place and environment, continuity and change along with the economic world. These are achieved through the development of skills of inquiry, critical thinking, exploration of values and social decision making.

This course leads on to senior courses in Geography, History, Media Studies, Classical Studies (Level 3) and Business Studies.

Physical Education *(2 hours a week)*

Mr Jonathan Stanhope
Head of Physical Education

Our Year 10 Health Physical Education programme see's all Year 10 students' study 2 hours of practical Physical Education per week with essential Health topics embedded in the delivery of the lessons. All students are required to bring their own Trident PE uniform to every lesson and must get changed for every lesson (even if ill or injured). Although Health will be taught through the Year 10 PE curriculum, students also have the opportunity to study Health as an additional option subject. Year 10 PE develops on the progress students made in Year 9 and now looks to establish links towards preparation for Level 1 NCEA. In Terms 2, 3 & 4 the students will work on their own inquiry process where they will have the opportunity to 'choose' activities/contexts based around the theme of the assessment. The activities/contexts are taught by different teachers who teach to the 'theme' of the assessment as well as delivering key teaching and learning points to help develop understanding of the activity. The rationale behind student choice is to mirror that array of options students can take once they leave school. By allowing students to choose their own activities means they are making informed choices about physical activity and setting targets on how they plan to make progress throughout the learning unit. It will hopefully help inspire them to remain active once they leave Trident.

Literacy and Numeracy Support

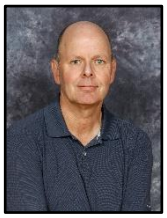
Mr Brett Wharewera
Specialist Teacher

Literacy and Numeracy Support is provided through the Learning Hub. Support provided to students includes small group instruction, in-class support and assessment of students for Special Assessment Conditions (SAC). Students are referred for Learning Support by classroom teachers or parental request. Placement in programmes is on a needs basis determined by testing.

Year 10 students will be placed into three technology subjects over two terms. Each rotation will last between 6–7 weeks. The course aims to develop further the students' knowledge and application of technical processes. They will research, design and manufacture an outcome that is based on a given theme. Students will receive one report for Technology.

Computer Aided Manufacturing

This module consists of exposure to CAD (Computer Aided Design) tools such as Tinkercad, Laserworks and Planner 5d as well as software tools to create a Laser cut project in the workshop. The module is split between creating and exploring 3D objects on computer and prototyping and creating a project in the workshop environment. Students will have extensive opportunities to use the Laser cutter using cast acrylic or wood.



Mr Phil Pickering
Teacher

Digital Technology & Robotics

Students will use a variety of coding platforms including Scratch, Python and Kano to code and programme a series of robots, remote controlled bots, spheros, lego kits, Raspberry Pis and mechanical devices to move around and do what they want them to do. Students will be given a series of scenarios based around technology in the future and will then work collaboratively on a project-based solution using the robots, devices and software presented to them. They will then present their solution to the rest of the class in a format of their choice.

Mr Stephen Loft
Teacher

Food Design Technology

Food Technology is a subject which requires students to produce a two/three course meal for friends. Students are expected to complete a design booklet which has evidence of research, planning, development of ideas and evaluation. The whole process from design problem to final solution must be evident in their design booklet and stakeholder's needs are expected to be met. The subject leads on to Level 1 Food Design Technology.

Ms Julie Reihana
TIC Food Technology

Engineering Technology

Plan, design, manufacture and evaluate an individualised project needed for home from a range of hard materials (mainly metal but may include glass, mirror, plastic, wood, etc). Students develop a range of practical workshop skills, utilising a range of new machinery, with the main joining technique being MIG welding. This course reinforces learning from other curriculum areas including mathematics (measurements, instruments, calculations), science (characteristics of materials), art, graphics and Maori culture (concept development) and English (terminology, symbols, and text). This course leads onto Level 1 Engineering Technology.

Mr Dave Dobbin
Teacher

Wood Design Technology

Students design a solution to address a need. The solution will be made mainly from wood. Safety is a major element of this course and is taught throughout. Students are required to record their progress. Hand tools, power tools and machine skills are taught, and used. Students are expected to write a full evaluation and provide a photo of its end use. This is a rich learning environment where values and key competencies are reinforced. Other learning areas reinforced include Mathematics, Science, Art, DVC and Maori culture and English. This course leads on to Level 1 Wood Design Technology.

Mr Nigel Rowland
Head of Technology

Students specialise in their subject choice by choosing options which will allow them to develop their knowledge in a particular subject. All of these subjects are entry points to year 11 and Level 1 NCEA subjects. Students need to ensure that they work consistently throughout the year to gain entry to the course in Year 11.

Architecture & Product Design

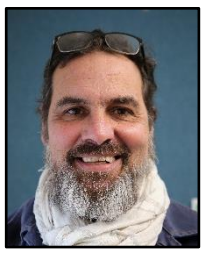
Teacher

Architecture & Product Design teaches our learners how to convey ideas through a range of graphic practices to create new possibilities for the future.

Students will learn how to problem solve through freehand sketching, instrumental drawings and modelling. They will follow a design process and apply drawing skills to develop Architecture and Product designs. Through completing the course students will be prepared for the subject Design & Visual Communication (DVC) at NCEA Level 1.

The course opens avenues for careers in a variety of industries – Architecture, Interior design, Town Planning, Landscape Design, Product Design, Engineering, Web Design, Graphic Design, Illustrating, Movie and Cartoon Design, etc.

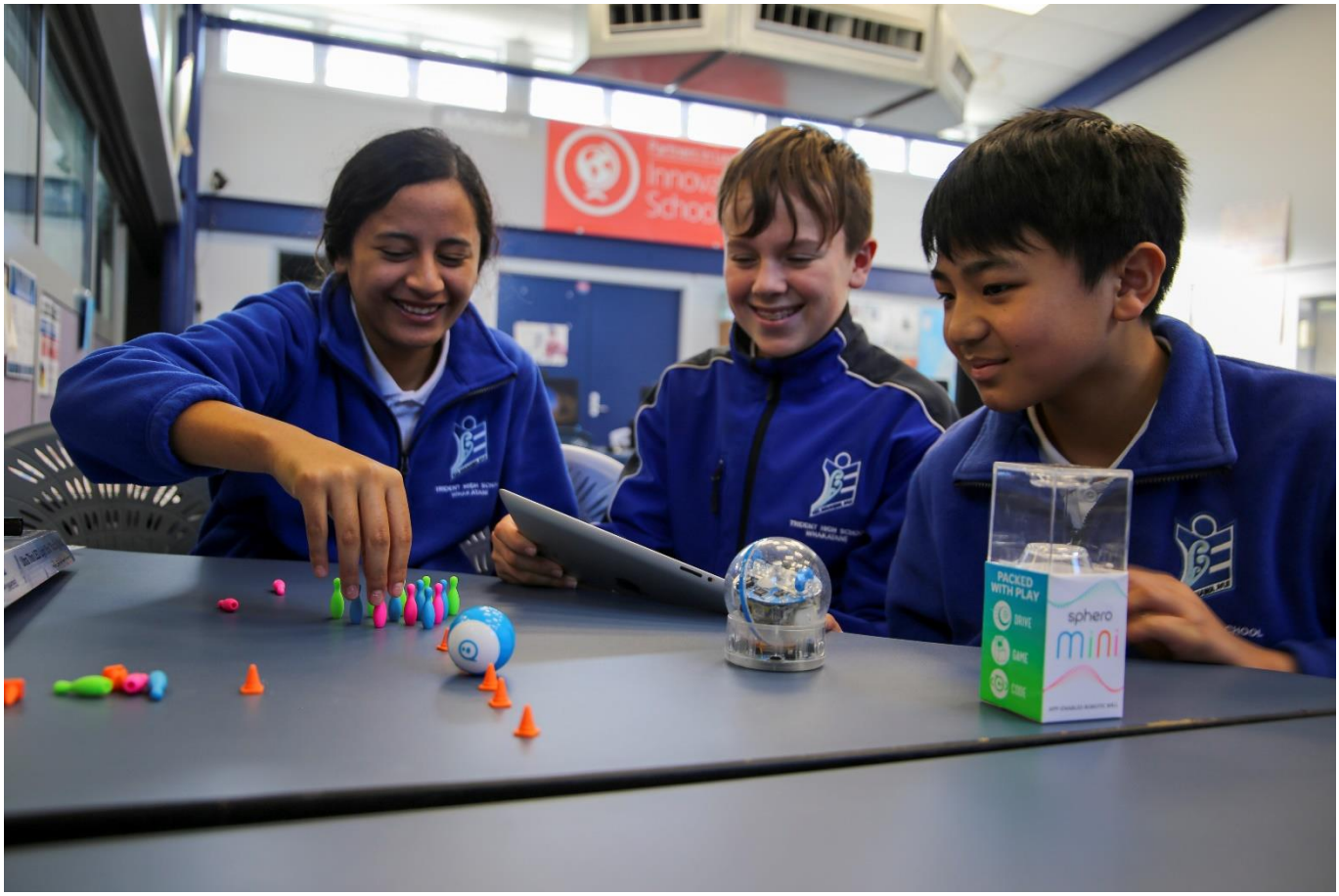
Art *(Practical)*



Mr Glenn Barr
Head of Arts

As a career, Art is of benefit for advertising, marketing, industrial, interior, photographic or graphic design, website design, secondary school teaching, primary teaching, architecture, museum or gallery work, landscape architecture, film/television/video technicians, film animation, fashion designing, jewellery making, sign writing, screen printing or any other field which requires creative thinking.

This is a practical course that covers units of work in drawing, painting, and print-making. The course is designed to build and develop technical skill, self-expression and confidence in making art works. The course is offered as a full year and half year option.



Business Studies

An introduction to basic Economics and Business Studies and a pathway to the NCEA Level 1 Course. Focus on key concepts and terms – the economics of scarcity, choice and demand, marketing, production and financial literacy. This course prepares students for further study in Business Studies at Senior Level.

Mrs Nicholine Walters
TIC Business Studies

Digital Technology

Digital Technologies at Year 10 provides students the opportunity to experience a number of programmes and software packages. Students create animations, movie clips, E-Books, computer games and apps using coding platforms and learn how to create a website using the latest html. The skills learnt within Digital Technologies are designed to be transferable across other subject areas within the school.

Mrs Lynda Frisby
Head of Digital Technologies

Digital Technology provides opportunities for students to be creative and innovative using a variety of software applications following the technological process model to develop a design concept. This includes creating a customized logo, posters, flyers, business cards, developing a business plan and making a website to promote their concept. Throughout the course students will learn basic HTML coding, create an E-Book, make a computer game using Kodu and completing research on a topic producing an electronic presentation as the outcome. Having this knowledge will empower students with transferable skills that can be used in many other subject areas throughout their schooling.

Drama

Mrs Lynne Robb
TIC Drama/Dance

The Year 10 Drama and Performing Arts course allows students to explore different skills in communication of ideas and ways of expressing language and movement. The course will introduce students to presentation skills, performance worked based on plays, dance and performing arts technical aspects like lighting, costume and makeup. There are many opportunities to develop performance skills, and practical skills within this course and all assessments are based on the current New Zealand Curriculum. Students in the second term of drama will have the opportunity to sit 7 credits at NCEA Level 1, in costume and makeup, and if they meet the national standard will have those credits banked for the following year. Students in Year 10 are also able to audition for the school production or Trident Has Talent, along with any other student. They also have the opportunity to apply learning in authentic context.

Health

Mrs Adelaide Roper
TIC Health

The course is designed to take students on a journey of self-empowerment and social discovery by learning how to value their individuality and diversity of others. Students will explore a vast range of societal issues that affect their quality of life and that of the people around them. Students will confidently develop and implement supportive strategies that help manage these influences to encourage positive outcomes. Students will learn how to take responsibility for their mental well-being, nutritional needs, sexuality and reproductive health and drug education.

Music

Mr Alan Spence
TIC Music

This course is a consolidation of the introduction to music in Year 9. Listening, composing and performing skills will be developed. A variety of classroom musical instruments will be available and students may wish to learn an instrument through the itinerant music Teacher programme. Students taking Year 10 Music are able to work in the wider music environment of the Trident Music Academy which includes the Big Band, Trident Vocals, Orchestra, Percussion ensemble, Rock Band as well as the participation in a variety of concerts, competitions – both Regional and National. Students in the Academy are also able to advance their learning to the next level on the advice of the teachers.

Sports Leadership

Mrs Mel Emery
Assistant HOD PE

Sports leadership in Year 10 is a follow on from Year 9SPL and there is an expectation that students choosing this course, have a positive and willing attitude. This course offers students further opportunities to develop their confidence to lead, inspire and encourage others. Students will have the chance to develop their ability to teach others and deliver quality instructions whilst considering the strengths and weaknesses of their target group. All students will be part of small groups who plan, deliver and evaluate a lesson taught to local primary schools. As part of this course, students will also take a deeper look into how the body works during exercise with a focus to prepare them for further study in NCEA Level 1 Physical Education. Sports leaders are expected to demonstrate their high levels of motivation in all lessons and to also be role models in their other classes by utilising their developed leadership skills across the wider school community.

Junior Service Academy

Mr Fraser Shaw
TIC Service Academy

An opportunity to select a subject that **combines outdoor education, physical activity/fitness, teamwork, problem solving and leadership skills**. This includes regular interaction with the Senior Service Academy which provides as insight into this highly successful and inspiring course.

The benefit of this option subject is the students **still have all the core subjects and other options** as part of their regular timetable. The added bonus of this subject is being able **discover skills and routines that will develop their engagement in school** and ultimately provide them with the ability to take responsibility for their learning in Year 10 and into the senior school.

Programme: The programme would have the following topics:

- Drill and parade – physical activity, fitness and discipline in a military style context.
- Adventure based learning – Problem solving, teamwork, cooperation and leadership in an active context
- Reading - developing an understanding of literacy skills that are vital in Level 1 NCEA
- Physical Challenge –a longest day styled camp for 2-3 days.
- Community Action – giving something to the community and showing pride and respect for that community

This is a half year option and is open to both male and female students.

Japanese

Mrs Hilary Harison
TIC Japanese

Learn about the culture of sushi, the way of tea and the language of manga and anime. Dive deep into things Japanese and learn the language and culture of another realm!

This course builds on the Year 9 course developing the students' skills in communication through listening and speaking. In Year 10, the students will be introduced to the 3 writings systems hiragana, katakana and kanji and begin to develop their reading and writing skills. Through learning Japanese, students will discover new ways of learning, new ways of knowing, and more about their own language and capabilities.

Spanish

Ms Sarsha Deeley
TIC Spanish

Learn about the culture of Spain and other Spanish speaking countries. Investigate the Day of the Dead celebrations in Mexico and the links to popular culture.

This course expands on the knowledge and skills gained in Year 9, further developing a students' ability to communicate in Spanish. Students will have the opportunity to continue to improve their ability to write, read and speak in Spanish. Through learning Spanish students will learn more about their own world, language and culture, and build their confidence in learning a second language.

Te Reo Māori

The Year 10 Te Reo Māori course is a stepping stone towards NCEA Level 1 Te Reo Māori. The focus is on developing skills in writing, reading, speaking and listening. Elements of tikanga are also covered to develop the students understanding of the Maori World. Regional and National Maori issues are also looked at to help students better understand the world they live in.

Mr Jimmy McLean
Head of Māori Studies

Māori Performing Arts

This subject takes the student on an adventure to learn more about Māori Culture taking into account local and regional history and the importance it has within the school and wider community. The journey takes into consideration a practical understanding of Arts and Crafts (Ta Moko, Whakairo), Leisure Activities (Ki-o-rahi, Waka Ama), and Māori Performing Arts. We also seek to enhance, develop and empower the students' leadership skills to do well in everything they undertake. Ko te manu e kai ana i te miro nona te ngahere. Ko te manu e kai ana i te matauranga nona te ao. The bird that eats the miro the forest is theirs. The bird that gathers knowledge, the world is theirs.

Mr Te Manaakitanga Pryor
Teacher

Whakairo *(Carving)*

The Year 10 Programme involves practical and theory work based on the history of Whakairo. The aim of this class will be for the students to create a portfolio of all their art and whakairo work to be displayed at the end of their rotation. There are 10 Level 1 credits available with the satisfactory completion of this course. The lessons will involve Māori tikanga practices that consist of karakia. The students will explore two and three dimensional drawings and create designs for their project. Students will be required to do research on the origins of Whakairo and Māori Art, in particular, kowhaiwhai, tukutuku and whakarei patterns. The students will also learn how to create a piece of carving from the designs that they have created. Selected pieces of work will be put forward to display at Art exhibitions.

Mr Toko Waaka
Teacher

Curriculum Structure

	Year 9	Year 10	Year 11	Year 12	Year 13
Languages	• English • Te Reo Māori • Spanish • Japanese	• English • Te Reo Māori • Spanish • Japanese	• English Advanced • English General • English Communication • Te Reo Māori • Spanish • Japanese	• English Advanced • English General • English Communication • Te Reo Māori • Spanish • Japanese	• English Advanced • English General • English Communication • Te Reo Māori • Spanish • Japanese
Mathematics	• Mathematics	• Mathematics	• Mathematics with Calculus • Mathematics with Statistics • Mathematics Financial Literacy	• Mathematics with Calculus • Mathematics with Statistics • Mathematics Financial Literacy • Mathematics	• Mathematics with Calculus • Mathematics with Statistics • Mathematics Financial Literacy • Mathematics
Science	• Science	• Science	• Future Science • General Science • Internal Science	• Physics • Chemistry • Biology • General Science • Earth & Space Science	• Physics • Chemistry • Biology • General Science • Earth & Space Science
Social Sciences	• Social Studies	• Social Studies • Business Studies	• Geography • History • Business Studies • Community & Society Investigation	• Geography • History • Business Studies • Media Studies	• Geography • History • Business Studies • Media Studies
Arts	• Music • Drama • Art • Māori Performing Arts • Whakairo/Carving	• Music • Drama • Art • Māori Performing Arts • Whakairo	• Music • Drama • Visual Art • Toi Waituhi • Māori Performing Arts • Whakairo	• Music • Dance • Drama • Art Painting • Art Design • Art Photography • Māori Performing Arts • Whakairo	• Music • Dance • Drama • Art Painting • Art Design • Art Photography • Māori Performing Arts
Technology	• Fabric Design Technology • Food Design Technology • Engineering Technology • Bio Technology • Computer Aided Manufacturing • Digital Technology	• Food Design Technology • Engineering Technology • Wood Design Technology • Architecture & Product Design • Digital Technology & Robotics • Digital Technology • Computer Aided Manufacturing	• Food Design Technology • Fashion Design Technology • Engineering Technology • Wood Design Technology • Design & Visual Communication • Computer Aided Manufacturing • Digital Technology & Computing	• Food Design Technology • Fashion Design Technology • Engineering Technology • Wood Design Technology • Building Trades Technology • Design & Visual Communication • Digital Technology & Computing	• Food Design Technology • Fashion Design Technology • Engineering Technology • Wood Design Technology • Building Trades Technology • Design & Visual Communication • Digital Technology & Computing
Physical Education	• Physical Education & Health • Sports Leadership • Health	• Physical Education & Health • Sports Leadership • Health	• Sport & Exercise Science • PE Core • PE Practical • Health	• Sport & Exercise Science • PE Core • PE Practical • PE Outdoor • Health	• PE Modules • PE Unit Standards • Health
Vocational Pathways		• Landskills • Junior Service Academy	• Landskills • Futures Academy Semester Course	• Landskills • Gateway • Service Academy • Licence to Work • Futures Academy	• Landskills • Gateway • Futures Academy • Licence to Work

Vocational Pathways

Vocational Pathways is a tool to help and guide you through subject selection. There are six pathways or frameworks to vocational education and training which can help you along with the careers advisors, Deans and parents to select subjects. If you have a clear career goal in mind then the vocational pathways will guide you to make good subject choices, helping you to achieve your goal. Alternatively, if you are unsure of what to do after high school then select your favourite subjects that you are good at and see where the colour chart takes you. The colour wheel/chart may provide some ideas of potential careers.

To gain more information on Vocational Pathways go to: www.youthguarantee.net.nz

Yr 11 and Yr 12 students should login to NZQA and look for profile builder: www.nzqa.govt.nz/login/ this should show you where you are already heading.

Yr 10 students going into Yr 11 (Level 1) will need to use the coloured charts provided and selecting their preferred subjects, count up the credits in each of the six sectors to see which sector will be for you.

It is important to understand that the Vocational Pathways and the colour wheel is to help and guide you, it is only a tool.

Trident Junior Certificate

Year 9

Subject	Academic Credits	Recognition Points
English	14	15
Mathematics	14	15
Science	14	15
Social Studies	14	15
Physical Education	9	15
2 x ½ Option	9 per option	15 per option
Technology	10	15

Year 10

Subject	Academic Credits	Recognition Points
English	14	15
Mathematics	14	15
Science	14	15
Social Studies	14	15
Physical Education	9	15
2 x ½ Option	9 per option	15 per option
Full year option	14	15
Technology	12	15

What are Recognition Points?

Managing Self	Relating to Others	Contributing
	Key Competencies	
Sharing ideas	Working Independently	Co-operate
Giving Feedback	Time Management	Respect for others
Speaking	Bringing gear	Be open to new learning

How many credits do I need to pass the year?

Achieved	50 credits
Achieved with **Merit** Endorsement	40 at **Merit** or higher
Achieved with **Excellence** Endorsement	40 at **Excellence**

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