

Curriculum - Semester A



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Welcome

A warm welcome to Putāruru College. What matters the most to us, is that students here have a strong sense of “Together we learn and grow”. We want EVERY student to experience a high quality education where they feel nurtured, inspired and empowered to achieve highly and be strong in this world

Our curriculum has been refined to ensure that every student has a champion (their whānau teacher), someone who advocates for them and supports them to achieve their goals across their 7 years at Putāruru College.

We have divided the school year into two semesters - Semester A and Semester B. We want to know by midyear exactly how students are placed, we want to closer monitor progress and achievement.

This course information relates to Semester A.

Overview of curriculum

Wānanga Ako | Subject Classes

In **Wānanga Ako** | Subject classes our programmes of learning are founded in the New Zealand Curriculum and are designed to support students moving to achieve in the National Certificate of Educational Achievement (NCEA). Our programmes will either be one, two or three subject areas combined. We are moving to a more integrated approach to learning as there are natural crossovers between authentic topics and themes. We want learning at Putāruru College to be engaging, challenging and meaningful for students.

Whānau | Learning Advisory

In **Whānau** | Learning Advisory we recognise that every student needs a strong sense of belonging and has an adult (whānau teacher) who will be a champion for each student's learning success. The whānau teacher will know each student well, will set goals with their students and their families, will monitor their progress and celebrate their successes.

The group of 12 students from yr 7 to 13 will learn Te Reo Māori and NZ histories, explore local and global issues as well as working together to achieve high levels of hauora. Students will stay with their whānau teacher and class for their 7 years at Putāruru College. Students will know their strengths and use these to help others – the whānau group will have collective investment in the success of each other.

Rāapa Whakamua | Pathways & Projects Wednesday

In **Rāapa Whakamua** | Pathways & Projects Day students will be given the opportunity to develop future focused skills they need as they work individually or in a team to manage a project from start to completion. Our students will have the chance to follow their interests and passions in a way that is connected to the local community and makes a difference in the world.

Rāapa Whakamua also supports students to complete life ready skill classes, work experience, Gateway programmes and courses at tertiary institutions such as Toi Ohomai. We want students to be well prepared to face the challenges of University, other Tertiary Institutions and the world of work. Rāapa Whakamua provides the opportunity for students to try out new things, take risks and challenge themselves while still at school so that when they do leave they are truly prepared for their future.

We have 3 parts to our curriculum. This booklet is designed to support students choosing their Wānanga Ako classes, and their Rāapa Whakamua Wednesday classes.

Timetable

Monday, Tuesday, Thursday, Friday	
9:00 - 10:20	Period 1
10.25 - 11.10	Whānau
11.10 -11.40	Break 1
11.40 - 1:00pm	Period 2
1:00 - 1.40pm	Break 2
1.40 - 3:00	Period 3

Monday	Tuesday	Wednesday	Thursday	Friday
Line 1	Line 4	5: 9:30-10.45 10.45-11.05 break 11.05- 12.05pm	Line 3	Line 2
Whānau	Whānau		Whānau	Whānau
Line 2	Line 1	6: 12:45 - 3pm	Line 4	Line 3
Line 3	Line 2		Line 1	Line 4

Year 7

The focus of our Year 7 programme is to ensure curriculum coverage. Over the course of Semester A and Semester B Year 7 students will cover all the requirements of the NZ Curriculum. We want to support our students with a smooth transition to Putāruru College and the students will largely be in the same class group for the year.

Required Classes:	We are learning to...
CORE - Reading	During years 7 and 8, students will continue to develop their accuracy, fluency and independence in reading and in using texts to support their learning, using a range of text resources and digital platforms.
CORE - Writing	In years 7 and 8, students will create texts using content, language, and a clear and logical text structure to meet the requirements of the curriculum across the genres of Recount and Narrative writing. We will be using a range of personal experiences and digital platforms to create fun and entertaining writing activities.
CORE - Maths	In a range of meaningful contexts, students will be engaged in thinking Mathematically and statistically. They will solve problems and model situations that require them to use a range of strategies when operating on numbers.
CORE - Social Science	Our Global Concept for the first half of Semester A (9 weeks) is 'Identity'. We will be learning about our own identity and the rights and responsibilities we have as a citizen of Putaruru College, South Waikato and New Zealand.
Health, PE, Outdoor Ed	Students will focus on learning to play within a team across a range of physical activities. The main learning focus within the health curriculum will be understanding the changes around puberty. The key ingredient is learning through getting involved and being active.
Literacy	Students will draw on their knowledge, skills and attitudes to engage successfully with all aspects of the curriculum. They will be able to understand, respond to, and use a variety of forms of written language (as well as oral and visual language) in order to think about, locate, interpret, and evaluate ideas and information and to communicate with other people.
Tikanga	Karawhiua! There are many benefits for all students to learn Te Reo Māori especially here in Aotearoa. Not only will you feel a sense of belonging and pride, you will gain strong confidence in reading, writing and speaking in Te Reo Māori. In this course you will learn Te Reo Maori; pronunciation, identifying everyday objects, basic sentence structures, mihi, pepeha and some other Maori tikanga in a fun, interactive, safe learning environment.

Drama	Explore the genre of fairy tales by telling stories through drama techniques and conventions. In this class, you will have fun inventing and creating an imaginary world for characters to tell their stories. Skills you will learn along the way are how to use voice, body, movement and space. You will be required to work in a collaborative and respectful manner in this shared learning adventure.
Creative and Performing Arts - Visual Arts	An introduction to Art that will get you engaged from the start. You will be introduced to new techniques and ways of doing and making in fun and exciting ways.

Year 8

The focus of our Year 8 programme is to ensure curriculum coverage, while working with students to discover their strengths and talents. Over the course of Semester A and Semester B Year 8 students will cover all the requirements of the NZ Curriculum. Students will largely be in the same groupings for Semester A, and we are looking at having some student choice options in Semester B.

Required Classes:	We are learning to...
CORE - Reading	During years 7 and 8, students will continue to develop their accuracy, fluency and independence in reading and in using texts to support their learning, using a range of text resources and digital platforms.
CORE - Writing	In years 7 and 8, students will create texts using content, language, and a clear and logical text structure to meet the requirements of the curriculum across the genres of Recount and Narrative writing. We will be using a range of personal experiences and digital platforms to create fun and entertaining writing activities.
CORE - Maths	In a range of meaningful contexts, students will be engaged in thinking Mathematically and statistically. They will solve problems and model situations that require them to use a range of strategies when operating on numbers.
CORE - Social Science	Our Global Concept for the first half of Semester A (9 weeks) is 'Identity'. We will be learning about our own identity and the rights and responsibilities we have as a citizen of Putaruru College, South Waikato and New Zealand.
Science	In Science students will cover a unit called "He waka eke noa" that looks at the journey of Māori across the Pacific to Aotearoa with the use of waka hourua. We will consider key science concepts of the nature of science, investigating in science and physics of waka hourua.
Health, PE and Outdoor Education	Students will focus on demonstrating positive attitudes through understanding movement within striking sports and athletics. They will also engage in recognising the importance of regular physical activity within personal life. The main learning focus within the health curriculum is how personal identity and relationships affect one's hauora, along with understanding the connection between exercise and nutrition.
Creative and Performing Arts- Visual Arts	Integrating artist and art together using paint, pencil, pen and other exciting mediums. You will be introduced to new techniques and ways of doing and making and having FUN!
Food Technology	Bones need food too - Students will explore the importance of calcium in the adolescent diet through research, application and evaluation of different dairy products and their uses
Digital Technology	During this rotation students will gain basic knowledge and skills in MS Word, MS

	PowerPoint, CyberSafety, QR Codes, Programming our mBot robots and using Scratch, and 3D Design and Printing. We will also do typing practice to learn how to touch type and improve your typing speed.
Wood Technology	Come and learn new ways of working in Technology. We will be looking at instrumental sketching and hand sketching skills so that we can create projects. With these designs and working drawings we will create small scale projects until we can get in to our amazing new workshop

Year 9

The literacy and numeracy component of the curriculum becomes increasingly important as students build strong foundation blocks to transition into NCEA. We also want to encourage student choice, so students are engaged in contextualised learning which then leads to increased attendance and achievement.

Required classes:	We are learning to...
English	Welcome to 9 English. We will start the year with Pūrākau, Myths and Legend. We weave our way through origin stories from Aotearoa and around the globe to understand how people use narrative. Then we will move into Creative Writing as a means of understanding ourselves and culture through story.
PE, Health and Outdoor Education	Students will be working on teamwork and communication through the use of athletics and summer sports, with a focus on fitness and healthy lifestyles in the second half of the semester. In health they will be looking at hauora with the focus on leading a well balanced and healthy life. In the second half of the semester they will have a focus on drugs and alcohol and the impact it has on people and lifestyle.
Social Science	Social Science is the study of History, Geography, Citizenship and society. We will begin this semester studying Putāruru and Aotearoa's place in the world. We will investigate the motivations behind why people move and the impacts this has on the people and places they interact with, in the past, present and future. We will then move into looking at the historical evolution of humans, reflecting on the nature of progress across civilizations, continents and time.
Subjects to choose from:	
<i>Choose 1 Maths module</i>	
Maths A - Health	Year 9 Mathematics will cover Algebra, Measurement, Geometry, Statistics, Probability and Number in a range of meaningful contexts. Learning will be predominantly targeted at level 4 and 5 in the New Zealand curriculum. Student learning will take place using a lens of Health. So if you want to learn how to take blood pressure, and what it means, this is the option for you.
Maths B - Food and Nutrition	Year 9 Mathematics will cover Algebra, Measurement, Geometry, Statistics, Probability and Number in a range of meaningful contexts. Learning will be predominantly targeted at level 4 and 5 in the New Zealand curriculum. Student learning will take place using a lens of Food and Nutrition. So if you want to learn what all the labels mean, this is the option for you.
Maths C - Financial capability	Year 9 Mathematics will cover Algebra, Measurement, Geometry, Statistics, Probability and Number in a range of meaningful contexts. Learning will be

	predominantly targeted at level 4 and 5 in the New Zealand curriculum. Student learning will take place using a lens of Finance. So if you want to learn about Kiwi saver or what a stock market is, this is the option for you.
Choose 1 Science module	
Science A - Tik Tok Science	Exploring the Science behind fun experiments. Why do mentos react with coca-cola? How do hot air balloons work? How can I write code and use my instructions to manoeuvre a robotic object? Looking for fun ways to connect science to the real world? Then this might be the class for you.
Science B - Dino DNA	Could we build a dinosaur, like in <i>Jurassic Park</i> ? We'll explore the ideas of inheritance, mutations, adaptations and survival of the fittest while getting DNA out of a banana, designing dinosaurs and, of course, watching <i>Jurassic Park</i> !
Science C - Forensic Science	Could you solve a crime? Put your problem solving hats on and work to collect evidence to solve a crime. We will look at basic concepts of forensic science in a hands on way such as fingerprinting, blood splatters, and chemical analysis.
Choose 1 Technology/Arts module: Year 9 will select one of these 3 options to study for the semester	
Tech/Art- Food Tech	Farm to Plate Students will look at the processes of food production from farm to plate. This will involve predominantly the production of chickens and eggs and may involve a day trip to Hayden Farms. Possible topics to be covered will include - Agriculture and ecosystems, diet and influences, distribution and transport, food and production, food environments, food processing, food safety, history of food, marketing and labelling. Each week we will also produce a food item based around chicken or eggs.
Tech/Art- Hard Materials M	Come and join the wonderful hard materials technology class. You will get to grips with the basics of, Technical Drawing, and the Design Process with cardboard modelling until the fantastic new workshop opens
Tech/Art- Hard materials W	Join us here in hard materials technology where you will develop your sketching skills and improve your knowledge of the design process so that you will be able to create working plans for making technology projects when we get our wonderful new workshop up and running.

Year 10

Preparing for NCEA is a focus for Year 10 students. For Semester A, students will be working through core skills, content and knowledge required for NCEA. In Semester B, they will be able to choose more contextualised modules to apply their learning.

Required classes:	We are learning to...
Maths	Year 10 Mathematics will cover Algebra, Measurement, Geometry, Statistics, Probability and Number in a range of meaningful contexts. Learning will be predominantly targeted at level 5 in the New Zealand curriculum. Students will have the opportunity to gain Level 1 NCEA credits over the course of the year.
PE, Health and Outdoor Education	Throughout the course students will have an overarching focus around building leadership skills and developing responsibility. The main learning

	topics within Physical Education are ABL, Athletics, Striking Sports and Invasion Games. Within Health the topics covered will include Hauora, Sexuality Education and Anatomy and Kinesiology.
English	Welcome to 10 English Speculative fiction forms the foundation of this course. Here we will study a variety of texts and short films as we endeavour to learn about culture, morality and rights. We will use speculative fiction to draw out issues in our and other societies and recognise how writing reflects and projects culture. Essay, Speech, Spoken Word, Creative Writing and Poetry are among the options for how we will showcase our developing understanding.
Science	In Science at Year 10 we will cover two big topics. The first topic looks at Chemicals in the Body and considers whether all “chemicals are bad for us”. We will learn about how the body works, the chemicals in the body and the chemical processes that occur. The second topic looks at the Kaitiakitanga of Our Planet through the issue of Climate change. Are electric cars a good thing? Are they sustainable? What energy sources should we use and how do we ensure we are kaitiaki of Aotearoa and the Earth?
Social Science	Social Studies is the study of History, Geography, Citizenship and Society. In Semester A, we will explore how we can make the world a better place through learning about Human Rights. We will then move to investigate the future of work and how technology will impact on employment. The core semester of Social Studies will end looking at differences in development across the world and how these can be solved.
Subjects to choose from:	
<i>Choose 1 Tech/Art module</i>	
Tech/Art A Drama	Students will bring to life a character from a stimulus. Your mission is in small groups to share character perspectives, views and opinions to life through storytelling, resulting in a short performance. There is a possibility of working with the film crew to adapt your script to be made into a short film.
Tech/Art B Electronics	Students will learn how basic circuits work and have fun using electronics to create games.
Tech/Art C Digitec	Students will cover a range of media outcomes that have a base in Design. You will learn about what makes good design and then apply your knowledge to design and create 3D objects, games using Scratch and Gamefroot, MS Powerpoint presentations and designing and creating printed outcomes for our Community Project with the Tokoroa Hospital.

Year 11

All student are required to choose

Choose 1 from each line	We are learning to...
<i>Line 1</i>	
Science (SCI100)	<p>Students can choose between 4 different topics to learn about a range of science concepts and skills in this semester.</p> <ul style="list-style-type: none"> Firstly students can choose from Science in Construction or Diseases. Science in construction considers how heat affects the houses, cars and appliances we build. <u>4 Numeracy Credits</u> Diseases considers how microorganisms impact the health of humans. We will look at the types of microorganisms that cause disease, the structure of them, how they cause disease, how our bodies immune system fights diseases and how vaccines work. We will also look at difference viewpoints for and against vaccination <u>8 Credits; 3 of which are Literacy credits</u> Secondly students can choose from Investigation/Mechanics or Exploring Papatuanuku. Investigation/Mechanics introduces physics concepts such as forces and motion, energy and pressure. Students will then use these physics concepts to carry out a practical investigation. <u>4 numeracy credits</u> Exploring Papatuanuku will look at the formation of unique features of Aotearoa such as our maunga and waitomo caves. Then we will consider the impact on the movement of the whole Earth on everyday life. <u>8 Literacy Credits</u>
Drama (DRA1000)	<p>Level 1: In this course, students will cover speech, movement, devised drama and performance. All students will be expected to perform in front of an audience. They will become fluent in drama terminology and performance, and will use and reflect on the elements, conventions and techniques of drama. Students are required to attend a minimum of one live performance. 9 credits</p>
Food Technology (FTE100)	<p>Level 1 will only be offered as a Semester course and can not be taken in semester A or B, not both - Over the 18 weeks students will do 4 Standards - baking, finger food, knife care and sauces and soup and produce dishes based on these topics. Total of 9 credits</p>
<i>Line 2</i>	
English (ENG100)	<p>In Semester A we will be studying literary texts and film . In doing this we will explore key themes that help to develop our understanding of culture and values. In the Line 2 class we focus on New Zealand literature and related themes. We highly recommend students consider taking Eng100 over both semesters. Level 1 literacy credits: Connections (4), Close Viewing (3). Formal Writing (3)</p>
Creative and Performing Arts (ART100)	<p>Visual Arts- Join a new and exciting visual Art course using lots of different media. Your creativeness will revolve around a common theme constructed by you. The theme is developed through the exploration of materials, techniques, styles, painting, drawing, art history, cultural influences and cululates in the folio board if you select to do this course over semester B as well. This semestra up to 3 internals can be achieved including 4 literacy credits. So what are you waiting for...sign up here!</p>

Metal Technology (MTE100)	You will work in technology using metal to complete both written Achievement and unit standards. Learning about Safety, machinery and tools used in the workshop, and working as a team to solve a given issue in the school environment. Semester two will be all practical if the fantastic new workshop is open
Digital Technology (DTC100)	DTC Level one covers some of the basic skills required in this subject area. You will be learning MS Word and Publisher and developing a proposal for a digital outcome. Students will also be learning touch typing skills to enhance their ability to complete work in a timely manner. The skills learnt in this Semester lead onto the topics that we will be completing in Semester B. 9 internal credits (3 literacy)
<i>Line 3</i>	
Mathematics (MAT100)	This course in mathematics consists of 11 credits or more, across all strands of Mathematics. The standards covered are all internally assessed and meet requirements for Numeracy. A full academic course of study in Mathematics should consist of Semester A and Semester B in this line.
Humanities (HUM100)	Humanities is the study of History, Geography and Social Studies. The theme for this semester is how to deal with adversity, when something goes wrong or the unexpected happens. You will investigate the contemporary social justice action occurring at Pirauiti (Waotu), historical disasters that have impacted on Aotearoa New Zealand and developing spatial analysis skills around Tsunami preparation. 10 credits (7 Lit)
Agriculture/Horticulture* (AGH100)	Students will get their hands dirty growing things while building a love for agriculture and horticulture. Using our brand new greenhouse students will learn how to cultivate seedlings and create gardens that can produce food!
Te Reo Māori (MAO100)	Hākinakina Mai! Hauora Mai! Growing together through Sporting and Health skills and Te Reo Māori. We will be learning to use basic language patterns to record and share our sporting experiences. Learning and listening to conversations, writing recounts and instructions will gain you 12 internal credits.
Building and Construction Technology* (BCO100)	Ideally students will participate in both semesters, learning practical skills and safe use of tools and machinery. You will also implement a design process for creating a project for a client.
<i>Line 4</i>	
Mathematics (MAT100)	This course in mathematics consists of 11 credits or more, across all strands of Mathematics. The standards covered are all internally assessed and meet requirements for Numeracy.
English (ENG100)	We will be studying literary texts and film. In doing this we will explore key themes that help to develop our understanding of culture and values. In the Line 4 class themes will focus on racism in global literature: poetry, song and speech. We highly recommend students consider taking Eng100 over both semesters. Level 1 literacy credits: Connections (4), Close Viewing (3). Formal Writing (3)
Tourism* (TOU100)	Students learn the skills required for them to embark in Tourism such as Customer Service Industries. This leads to qualifications in Tourism, Travel, Aviation and Customer Services. It is important to have the knowledge and personal people skills to deal with visiting our wonderful country or venturing overseas. 9 Credits

PE and Health (PEH100)	Physical Education in Semester A will take advantage of the finer weather and work predominantly outside while utilising both achievement standards and unit standards. Assessments will be applied through personal sporting performance and the ability to comment on what influenced your participation as well as through a high and low ropes course. AS - 8 credits. US - 9 credits.
<i>Line 5 and 6</i>	
Business studies* (BUS100)	Calling all entrepreneurs!!! Business Studies is the study combines elements of accountancy, finance, marketing, organisational studies, human resource management, and operations. In this course you will experience setting up a business concept and running it to fruition. 9 Credits
Outdoor Education* (ODE100)	You will study how to prepare for and participate safely in outdoor activities, as well as being able to develop interpersonal and leadership skills in a variety of settings. The main focus of this course is to equip you with the necessary skills to enjoy and respect the outdoors, both now and in the future; as well as prepare you for future vocational and academic opportunities. The main focus of learning is around Tramping, Camping and Mountain Biking. Students are encouraged to continue this subject option in Semester B, as there is a camp option available.
Project Based Learning* (PROJ100)	Want to open a Barber shop? Keen to be part of a group building a Skate Park at school? How about organising an Esports competition? If you like these ideas, or have other project ideas - this is the class for you!
Gateway/Work skills* (GAT100)	The Gateway programme is designed to strengthen the pathway for Senior students to progress from school to the workplace or Tertiary study. It provides students with structured workplace learning, across a range of industries and businesses, while they continue to study at school.

Year 12

The Ministry of Education has a goal that 85% of Year 12 students will gain NCEA Level 2. We want to support students with picking subjects that align with the chosen pathways. We strongly encourage students to experience 'taster' courses and work experience/gateway before making decisions about their futures.

Choose 1 from each line:	We are learning to...
Line 1	
Chemistry (CHE200)	<p>Three INTERNALLY assessed Achievement Standards will be offered in the first semester covering the following:</p> <p>Quantitative Analysis (4 credits)- involves analytical chemistry where a volumetric analysis is carried out using the technique titration to identify the concentration of an acid or base.</p> <p>Qualitative Analysis (3 credits) -involves analytical chemistry where the analysis identifies the components of an ionic solution. The techniques used here involve precipitation reactions and the formation of complex ions to identify the ions.</p> <p>Oxidation and Reduction Reactions (3 Credits) -carrying out a number of redox reactions and making accurate observations, interpreting information from a written record of redox reactions, writing balanced half and overall equations for redox reactions.</p> <p>All of these topics will include several experiments so get your glasses on! 10 credits</p>
Geography* (GEO200)	<p>Geography studies the relationships between humans and their environment. In Semester A, we will investigate the issues of Human Trafficking and Global Water Scarcity. We will finish the semester developing our spatial analysis skills using digital GIS technology. 9 credits</p>
Drama* (DRA200)	<p>Level 2: In this course, students will cover speech, movement, devised drama and performance. All students will be expected to perform in front of an audience. Students will show an understanding of the elements, techniques, technologies and conventions of Drama. Students are required to attend a minimum of one live performance throughout the year. 9 credit</p>
Digital Technology* (DTC200)	<p>DTC Level two covers enhancing your skills in text and information management. You will be using MS Word and Publisher to create electronic documents from provided data and by direct composition and learn file management techniques. You will learn how to create and manipulate text and images to enhance documents and knowledge of file saving protocols. 8 internal credits</p>
Line 2	
English (ENG200)	<p>We are doing a film study looking at humour and the human condition in a totalitarian, authoritarian setting: 'One Flew Over the Cuckoo's Nest' directed by Milos Forman, set in Oregon State Mental Hospital in 1963. One of the finest films ever made. You will laugh, you will cry, your spirit will run free. AS 91101: writing portfolio - 2 pieces. 6 credits (UEW)</p>

	AS 91107: close viewing of a scene. 3 credits AS 91106 Independent Reading will also be offered (and will run all year) 4 credits (UER)
Biology (BIO200)	If you're curious about how living things work, then Biology is for you! In the first semester we will be covering three internal standards. Our first standard is a practical investigation. This will be very similar to the format of any practical investigations you may have done in Level 1 Science, but in the context of how young mammals curdle milk in their stomachs. The second standard will look at how mammals, insects and fish all get oxygen from their environments and remove carbon dioxide from their bodies. They each have special features that help them do this in their particular environments so we will be looking at why those features are important. Finally we will be learning how to use a microscope, complete biological drawings, identify parts of cells and explain their functions. 10 Achievement Standard Credits, 4 numeracy, 3 literacy.
Food Technology* (FTE200)	Level 2 is based on a year-long program in both semester A and B. Topics covered will include food safety, poaching, baking, knife care and a barista course. Total of 14 credits
Building and Construction (BCO200)	Ideally students participate in both semesters to gain the knowledge and skills required for safe use of machinery and tools , To understand the requirements of a design process to complete two practical projects
<i>Line 3</i>	
Mathematics (MAT200)	This course consists of 11 credits or more, offered over three (or more), INTERNALLY assessed Achievement Standards. Content covered will include Trigonometry, Graphing and Statistical Inference. Students are welcome to choose Mathematics in Semester B. A full academic course of study for mathematics in Year 12 should consist of Semester A and Semester B.
PE and Health (PEH200)	An achievement standard based course 50/50 theory/practical; where students will participate, evaluate and plan for involvement in a range of group based activities. Students taking this course should have a strong interest in all aspects of Physical Education embracing the challenge of working within a range of team and group based activities.
Agriculture/Horticulture* (AGH200)	Students will get their hands dirty growing things while building a love for agriculture and horticulture. Using our brand new greenhouse students will learn how to cultivate seedlings and create gardens that can produce food!
Te Reo Māori* (MAO200)	Ngā Pakanga o Aotearoa! Rangiāowhia, Rangiriri, Taranaki, Pukehinahina (Gate Pā), Te Ranga. Join me in learning about the gruesome history of Aotearoa Landwars which led to the prophetic and healing movement. We will be learning to use Te Reo Māori to listen to and interpret information to convey strong messages to gain 10 internal credits
<i>Line 4</i>	
Physics (PHY200)	In the first semester of Physics we will be doing internal achievement standards only. We will start with the Investigation where you will take measurements, use techniques to maximise accuracy, analyse and graph the collected data, and develop the equation that models a non-linear physical relationship. (4 credits, L1 NUM)

	<p>Then we will do Atomic and Nuclear Physics which looks at models of the atom (Thomson and Rutherford), radioactive decay (half life), fission and fusion reactions (3 credits)</p> <p>The third topic is a research project where you choose a context to research eg sports, cell phones and explain the physics used in your concept (3 credits)</p> <p>Total: 10 credits</p>
History (HIS200)	History is the most amazing and interesting subject in the NZ curriculum. We will begin this year looking at the 1348 Black Plague. We will then explore early Polynesian and NZ history to include the arrival of Christianity and the Musket Wars. There is an opportunity for student voice in choosing a third theme this semester. 9 Credits
Tourism* (TOU200)	Students learn the skills required for them to embark in Tourism such as Customer Service Industries. This leads to qualifications in Tourism, Travel, Aviation and Customer Services. It is important to have the knowledge and personal people skills to deal with visiting our wonderful country or venturing overseas. 9 Credits
Metal Technology* (MTE200)	You will work in technology using metal to complete both written Achievement and unit standards. Learning about Safety, machinery and tools used in the workshop. Semester B will be all practical if the fantastic new workshop is open.
<i>Line 5 and 6</i>	
Business Studies* (BUS200)	Calling all entrepreneurs!!! Business Studies is the study combines elements of accountancy, finance, marketing, organizational studies, human resource management, and operations. In this course you will experience setting up a business concept and running it to fruition. 9 Credits
Outdoor Education* (ODE200)	You will study how to prepare for and participate safely in outdoor activities , as well as being able to develop interpersonal and leadership skills in a variety of settings. The main focus of this course is to equip you with the necessary skills to enjoy and respect the outdoors, both now and in the future; as well as prepare you for future vocational and academic opportunities. The main focus of learning is around Tramping, Camping and Mountain Biking. Students are encouraged to continue this subject option in Semester B, as there is a camp option available.
Media* (MED200)	<p>You will learn about vital elements of narrative storytelling and how to tell a story visually and aurally. You will collaborate with a small group, or work independently, to plan a short narrative film (*in a genre of your choice) or a magazine spread. Then you will work independently to write a script, or series of articles, for your media project/ concept. Your plans will be refined, improved and casting and rehearsal happens BEFORE production takes place.</p> <p>(13 credits, with 3 tagged as UE W, plus optional extra credits)</p>
Nga Toi* - The Arts (ART200)	<p>A brand new course brought to you in 2022. Join up here to work in any arts medium. Your Individual plans will be developed in the first half term ranging from Painting, Printmaking, Whakairo, Photography, Sculpture, Design.</p> <p>All artists work in a multi range environment so we are creating that here at PC. You do not have to be stuck in a rut doing one form of art, you can branch into many forms. Semester A will give you 8 internal credits , and semester B</p>

	will give you 12 external credits if you hit the mark!
Project based learning* (PROJ200)	Want to open a Barber shop? Keen to be part of a group building a Skate Park at school? How about organising an Esports competition? If you like these ideas, or have other project ideas - this is the class for you!
Gateway/work skills* (GAT200)	The Gateway programme is designed to strengthen the pathway for Senior students to progress from school to the workplace or Tertiary study. It provides students with structured workplace learning, across a range of industries and businesses, while they continue to study at school.

Year 13

Introduction

Choose 1 from each line:	We are learning to...
<i>Line 1</i>	
Chemistry* (CHE300)	<p>Chemistry Level 3 builds on previous knowledge offered at Level 2.</p> <p>Three INTERNALLY assessed Achievement Standards will be offered in the first semester covering the following: Quantitative Analysis (4 credits), Spectroscopy (3 credits) and Oxidation and Reduction (3 credits)</p> <p>If you are planning on having Level 3 Biology as a U.E. subject, you will need to take the subject in both semesters.</p> <p>10 credits</p>
Geography* (GEO300)	<p>Geography studies the relationships between humans and their environment. In Semester A, we will investigate the issues of Human Trafficking and Global Fresh Water availability. We will finish the semester developing our spatial analysis skills using digital GIS technology. You can achieve UE in Geography if you take it in both semesters. 9 credits</p>
Drama* (DRA300)	<p>Level 3: In this course, students will cover speech, movement, devised drama and performance. All students will be expected to perform in front of an audience. Students will show a strong understanding of the elements, techniques, technologies and conventions of Drama. Students are required to attend a minimum of one live performance throughout the year. 9 credits</p>
Digital Technology* (DTC300)	<p>In DTC Level three you will learn how to apply customising features of software to enhance documents from provided data and by direct composition; and create a document template for a specific purpose. You will learn how to integrate text and images to produce documents and demonstrate file management techniques for multiple documents.</p> <p>13 internal credits</p>
<i>Line 2</i>	
Mathematics (MAT300)	<p>This course of study consists of Pure Mathematics and Statistical standards, aimed at students who are looking to pursue further study involving Mathematics. These standards are aimed at Level 8 of the NZ Curriculum and</p>

	over the course of a year, students are able to achieve 20 credits or more. The standards covered will be arranged by negotiation with the students.
PE and Health (PEH300)	Physical Education at level 3 will be a 60:40 split between theory and practical. Students taking this course should have a strong interest in all aspects of Physical Education and embrace the challenge of theoretical work while applying it to a physical context. Assessment will be through personal performance and ability to plan for risk and safety management. AS - 7 credits.
Building and Construction Technology* (BCO300)	Ideally students choose both semesters to learn the requirements of creating and constructing a project for a client while following a design process..
<i>Line 3</i>	
Biology (BIO300)	Level 3 Biology continues with developing your understanding of how living things work while adding an aspect of looking at the social and biological implications of Genetically Modified Organisms (GMOs). This semester will require you to be self motivated as you will be independently researching information and writing reports, with less teacher-led instruction than Level 2. The first of the three standards we will cover this semester looks at how, as humans, we keep our body temperature constant despite a range of temperatures in the environment. The second assessment will be looking at how we can genetically modify organisms and discuss the effects of these changes on the organism. The third assessment will flow on from the second, as you research arguments for and against GMOs, before stating your position on the issue. If you are planning on having Level 3 Biology as a U.E. subject, you will need to take the subject in both semesters. 9 Achievement Standard Credits, 6 U.E. reading and 3 U.E. reading/writing.
English (ENG300)	We are studying a film based on arguably the most fascinating passage of human history: The Holocaust. A rollercoaster ride through human emotions and moral values in times of terror through a film study of 'Schindler's List' and close viewing of scenes in 'The Pianist'. AS 91475 writing portfolio 6 credits (UEW) AS 91480 close reading of 2 scenes from different films 3 credits Those wanting to include English as a UE subject should do both semesters A & B.
Agriculture/Horticulture* (AGH300)	Students will get their hands dirty growing things while building a love for agriculture and horticulture. Using our brand new greenhouse students will learn how to cultivate seedlings and create gardens that can produce food!
Te Reo Māori* (MAO300)	Ngā Pakanga o Aotearoa! Rangiāowhia, Rangiriri, Taranaki, Pukehinahina (Gate Pā), Te Ranga. Join me in learning about the gruesome history of Aotearoa Landwars which led to the prophetic and healing movement. We will be learning to use Te Reo Māori to listen to and interpret information to convey strong messages to gain 10 internal credits.
<i>Line 4</i>	
Physics* (PHY300)	In the first semester of Physics we will be doing internal achievement standards only.

	<p>We will start with the Investigation where you will take measurements, use techniques to maximise accuracy, analyse and graph the collected data, and develop the equation that models a non-linear physical relationship. (4 credits)</p> <p>Then we will do Modern Physics which looks at the Bohr model of the hydrogen atom, photons, quantisation of energy, discrete atomic energy levels, atomic line spectra, the photoelectric effect, nuclear binding energy, and nuclear reactions. (3 credits)</p> <p>The third topic is a research project where you will investigate the risks and benefits of nuclear power (3 credits)</p> <p>If you are planning on having Level 3 Physics as a U.E. subject, you will need to take the subject in both semesters.</p> <p>Total: 10 credits</p>
History (HIS300)	<p>History is the most amazing and interesting subject in the NZ curriculum. We will begin this year looking at the 1348 Black Plague. We will then explore early Polynesian and NZ history to include the arrival of Christianity and the Musket Wars. To achieve UE in History, you will need to take History in both semesters. 10 Credits.</p>
Tourism* (TOU300)	<p>Students learn the skills required for them to embark in Tourism such as Customer Service Industries. This leads to qualifications in Tourism, Travel, Aviation and Customer Services. It is important to have the knowledge and personal people skills to deal with visiting our wonderful country or venturing overseas. 9 Credits</p>
Metal technology* (MTE300)	<p>You will work in technology using metal to complete both written Achievement and unit standards. Learning about Safety, machinery and tools used in the workshop.</p> <p>Semester two will be all practical if the fantastic new workshop is open</p>
<i>Line 5 and 6</i>	
Business Studies* (BUS300)	<p>Calling all entrepreneurs!!! Business Studies is the study combines elements of accountancy, finance, marketing, organisational studies, human resource management, and operations. In this course you will experience setting up a business concept and running it to fruition. 9 Credits</p>
Outdoor Education* (ODE300)	<p>You will study how to prepare for and participate safely in outdoor activities, as well as being able to develop interpersonal and leadership skills in a variety of settings. The main focus of this course is to equip you with the necessary skills to enjoy and respect the outdoors, both now and in the future; as well as prepare you for future vocational and academic opportunities. The main focus of learning is around Tramping, Camping and Mountain Biking.</p> <p>Students are encouraged to continue this subject option in Semester B, as there is a camp option available.</p>
Media* (MED300)	<p>You will learn about vital elements of narrative storytelling and how to tell a story visually and aurally. You will collaborate with a small group, or work independently, to plan a short narrative film (*in a genre of your choice) or a magazine spread. Then you will work independently to write a script, or series of articles, for your media project/ concept. Your plans will be refined, improved and casting and rehearsal happens BEFORE production takes place. (13 credits, with 3 tagged as UE W, plus optional extra credits)</p>
Nga Toi* - The Arts (ART300)	<p>A brand new course brought to you in 2022. Join up here to work in any arts medium. Your Individual plans will be developed in the first half term ranging</p>

Possible to get 2 x UE Subjects here	from Painting, Printmaking, Whakairo, Photography, Sculpture, Design. All artists work in a multi range environment so we are creating that here at PC. You do not have to be stuck in a rut doing one form of art, you can branch into many forms. Semester A will give you 8 internal credits , and semester B will give you 14 external credits if you hit the mark! Including UE in EACH area you do a folio for
Project based learning* (PROJ300)	Want to open a Barber shop? Keen to be part of a group building a Skate Park at school? How about organising an Esports competition? If you like these ideas, or have other project ideas - this is the class for you!
Gateway/work skills* (GAT300)	The Gateway programme is designed to strengthen the pathway for Senior students to progress from school to the workplace or Tertiary study. It provides students with structured workplace learning, across a range of industries and businesses, while they continue to study at school.

(* means composite class with another senior year levels)

Volcanics / Te Kura - Distance Learning

If there are subjects you would like to do, but we don't offer, you can! Mrs Spencer, our E-librarian will be enrolling students in Volcanics or Te Kura where you study at your own pace. An example of a subject you might like to do is Economics, French, Accounting, Music. Please see Mrs Spencer for more information.

Volcanics Learning online @ Putaruru College:

The Volcanics eLearning community is a group of schools that share a common mission of meeting Learners needs. All courses are delivered online, we provide extensive courses ranging from Beginner to NCEA levels 1, 2 & 3. To get a good idea what is available please follow the link [2022 OLC Learning Exchange](#) for a vast range of courses. Teachers are available 24/7, Students will work independently and need to be self motivated. An eDean is on hand to assist and support students throughout their OLC journey. We look forward to enquiries into this innovative, inclusive and supported way of learning for your student.

Understanding NCEA

There are three levels of NCEA certificate, depending on the difficulty of the standards achieved. At each level, students must achieve a certain number of credits to gain an NCEA certificate. Credits can be gained over more than one year.

NCEA level	Requirements
Level 1	80 credits are required at any level (level 1, 2 or 3) including 10 in Literacy and 10 in Numeracy
Level 2	60 credits at level 2 or above + 20 credits from any level
Level 3	60 credits at level 3 or above + 20 credits from level 2 or above

Credits gained at one level can be used for (or count towards) more than one certificate. They may also be used towards other qualifications. For example, unit standards in the domain 'generic computing' might be used towards a Level 2 NCEA certificate, as well as towards a National Certificate in Computing (Level 2); or 20 credits gained at Level 1 can also count towards a Level 2 NCEA certificate.

Multi-level study

Students may be able to study a mix of standards at different levels, depending on their ability. For example, in year 12, a student may study most subjects at level 2, but add a new subject at level 1 and another advanced subject at level 3. In addition, students may study multi-level courses with standards assessed at more than one level, e.g. an English course at year 11 may contain both level 1 and level 2 standards.

Recognising high achievement

Certificates can be 'endorsed' to reflect high achievement in a significant number of standards. Course endorsements appear on students' Records of Achievement, and show that students have performed well in an individual course.

Certificate endorsement

If a student gains 50 credits at Excellence, their NCEA will be endorsed with Excellence. Likewise, if a student gains 50 credits at Merit (or Merit and Excellence), their NCEA will be endorsed with Merit. The Record of Achievement shows endorsement awards.

Credits earned can count towards an endorsement over more than one year and more than one level. However, they must be gained at the level of the certificate or above. For example, Level 2 credits will count towards endorsement of a Level 1 NCEA, but Level 1 credits will not count towards endorsement of a Level 2 NCEA.

Course endorsement

A course endorsement provides recognition for a student who has performed exceptionally well in an individual course. The key objective of a course endorsement is to motivate students to achieve their potential in one or more courses.

Students will gain an endorsement for a course if, in a single school year, they achieve:

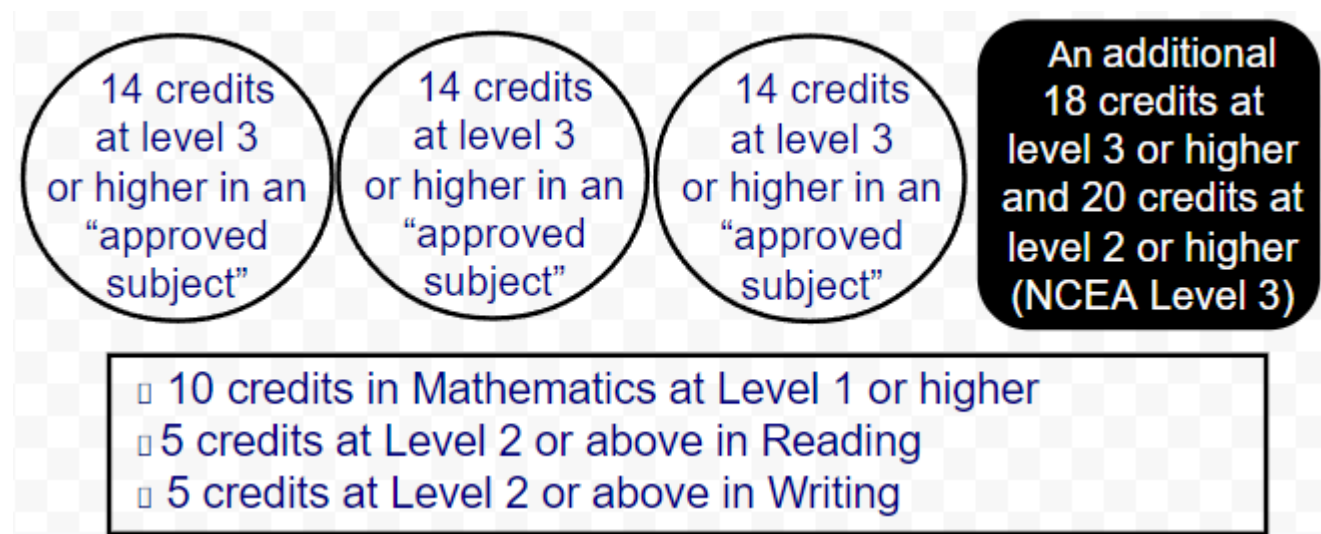
- 14 or more credits at Merit or Excellence at the lower level that supports the endorsement
- at least 3 of these credits from externally assessed standards and 3 credits from internally assessed standards. Note, this does not apply to Physical Education, Religious Studies and level 3 Visual Arts.

Literacy and Numeracy Requirements

To gain any level of NCEA, students need at least Level 1 minimum of 10 credits through either:

- Achievement standards - Specified achievement standards* available through a range of subjects (minimum total of 10 credits); or
- Unit standards - Package of three numeracy unit standards (total of 10 credits - all three required)

University Entrance Requirements



Approved Subject List

Subjects offered at Putaruru College that are on the List of University Entrance Approved Subjects:

Accounting	Geography	Painting (Practical Art)
Biology	German	Photography
Chemistry	Graphics	Physical Education
Classical Studies	Health Education	Physics
Computing	History	Photography
Dance	Japanese	Science
Design (Practical Art)	Mathematics with Calculus	Social Studies
Drama	Statistics and Modelling	Sustainability Studies
Economics	Media Studies	Technology
English	Music Studies	Te Reo Māori

Who to talk to about subjects and courses

Senior Leadership Team (SLT) Email SLT@putarurucollege.school.nz	
Sharon Moller (SMo)	Principal

Rob Rogers (RRo)	Deputy Principal - Pathways and Partnerships
Carli Last (CLa)	Deputy Principal - Inclusion
Chantel Oosthuizen (COo)	Deputy Principal - Innovation
Tiniwaata Hill (THi)	Cultural Leader, Dean, Kāhui Ako

Learning Leaders Email Learningleaders@putarurucollege.school.nz	
Simon James (SJa)	Numeracy Across School
Eileen Carr (ECa)	HOPE/Science
Suzanne Curphey (SCu)	Social Science/ Languages, Literacy Across School and Kāhui Ako (Digital Literacy)
Linda Nicholson (LNi)	CPA/Technology
Tanya Maxwell (TMa)	Year 7&8 Core

Abbie McCall	Careers Advisor	abbie.mccall@putarurucollege.school.nz
Lynda Kersey	Vocational Pathways Coordinator	lynda.kersey@putarurucollege.school.nz