Y9 & 10 COURSE BOOKLET

2021

Opihi College Vision

The best for all learners through passion, self-awareness and community

Every effort will be made to ensure students are able to study the subject they want to. However, students may not get their preferred option at the time they want it and we apologise for this.

How to select courses

- Read through the course booklet carefully.
- On the separate selection sheet, select which course you would like to take in each line.
- Students will take 6 courses each term for 4 periods per week.
- **We recommend you select two per line. 1 = first choice; 2 = second choice**
- Be sure you are meeting the minimum requirements.
- If you are looking at taking a subject through to NCEA, we strongly recommend you take enough choices to prepare you. If you are choosing to take a language, we recommend that you choose at least 2 options during the year.

Minimum requirements over the year

- Maths – 4 choices
- English – 3 choices
- Social Studies – 3 choices
- Science – 3 choices
- Physical Education – 2 choices
- Health is compulsory and will be taught all year for 1 period a week, in separate year level classes.

When selecting subjects students need to:

1. Be clear about which subjects they enjoy the most.
2. Be clear about their ability in each subject. Check with their teachers if necessary.
3. Identify their **Vocational Pathway** using www.youthguarantee.net.nz
4. Identify career possibilities in their vocational pathway.
5. Find out what subjects relate to jobs in their vocational pathway using www.careers.govt.nz
6. Consult with the Careers Advisor, Dean or Whanau teacher about any of the above if necessary.

Stationery

- Under each subject in the course booklet you will find the stationery requirements for each subject.
- Extra basic items of stationery will be available from the School Office during the year if needed.
- Take home component fees are also listed.

Where to get advice from

- Students should talk to their subject teachers about advancement in that subject to another level.
- Students may not know exactly what they want to do when they finish secondary school but some serious thought should have been given to possible career options.

Careers Advisor		Mr Stuart Grace
Head of Faculty	Mathematics	Mr Ruard Smith
	Humanities (Eng/SS)	Mrs Rachael Blyth
	PE/Health	Mr Stuart Grace
	Science/Agr	Mrs Shelly Robson
	Technology	Mrs Bernie Rose
	Arts and Languages	Mr Eric Peters
Senior Leadership		Mr Tony Robson
		Ms Vicki Henderson
		Mrs Bernie Rose
Deans	Aoraki	Mr Stuart Grace
	Pacific	Mrs Paula Ellis
	Opihi	Mrs Debbie Hauptfleisch
	Rata	Ms Vicki Henderson

Course Selection Confirmation

During Week 8 30th November – 4th December

- Course Selection is completed by having a 3 way interview with the parent/caregiver, student and a member of the Senior Leadership team
- **Book a time slot through School Interviews – www.schoolinterviews.co.nz using the code vv85h**
- 15 minutes interviews, however we strongly recommend booking a double session for anyone that has not got a full plan sorted or is having difficulty
- Meet at the School Office
- If you do not get a time slot that suits you, please contact the office to make an alternative appointment before the end of term

MATHEMATICS

You will need to select a minimum of 4 Maths topics for the year, however you can always do more.

Equipment needed: 2 x 1E8 Exercise Books – these can be reused for new Maths topics
Scientific Calculator

Term 1

Hoops they did it again

What makes a good sports person? We will collect data and analyse it to help determine what attributes are important in different sports.

Life is a game…play it well

Have you wondered what makes a good board game? How do we gamify life? You will develop strategies to improve your chances of winning and learn how to calculate the probability of winning.

Running a House

What Maths do you need to manage your own house? How do you ensure that your spending doesn't exceed your earnings. Discover the wonderful world of Financial Management.

EcoMaths

How can we save the world? Here you will be able to calculate and discuss the impact that humans have on the environment from a mathematics lens. Throughout this topic we will use statistics to discuss the impact humans have on earth.

Term 2

Tokyo 2021

What maths is involved in organising the Olympics? Explore world records, and how to develop the attitude to become an Olympian.

Build the world…

Are you the next Bob the Builder? Learn how to calculate the size of beams and areas of some of the strongest shapes in the world. You will also create patterns, find angles and bearings that allow amazing buildings to be designed and built.

What if...

What if……? Do you have questions that seem hard to answer? This course looks at developing the key skills required to answer questions that can be applicable from business to farming.

Crack the Code

Love solving puzzles? This is the course for you, from escape rooms to viral maths problems. Here you will learn the skills that are essential to solve them.

Term 3

How to become a millionaire in 30 days or less?

What Maths is required for living? Learn about basic money management such as budgeting and saving. You will also learn about earning a wage and how your tax is calculated.

The Incredible Machine

How do those machines work? How do gears work? This topic investigates the basic skills engineers use.

Rigging games so that you win…

Have you wondered what the chances are of winning in a game? Or have you ever played a game where you know you will lose? Learn about probability related to games of chance and strategies to help you win.

Dragons' Den

Ever wondered what you would need to start your own business? Here we take you through the various processes required, from working out how much interest you will pay on your new building to budgeting and keeping track of stock.

Term 4

Around the world in 90 days or less

Have you ever wondered how much it would cost to organise an epic journey for you and your family? Learn how to plan and budget such a journey. See the world.

The of Art Mathematics

Can you make a masterpiece with maths? In this unit the students will explore the connections between maths and art.

Food for Thought

What is in your food? Learn to budget for a week of meals. Will it provide you with a balanced diet? Learn about running a restaurant. How do you scale up recipes to cater for larger numbers of guests? You will also learn how to plan for a busy kitchen where many jobs need to be completed.

MatheMagic

Use Mathematics to learn to perform number tricks. How do magicians know that a trick will work? Create magic squares and use them to impress your friends.

ENGLISH

You will need to select a minimum of 3 English topics for the year, however you can always do more.

Equipment needed: Device if you have one
2 x 1B8 Exercise Books– these can be reused for new topics
Clearfile 60 Pocket

Term 1

Picture This

This unit focuses on how the media manipulates us to buy their products but also how to change our viewpoints. In this age of digital technology we need to know just how much we are being persuaded to follow the narrative that has been given to us. We will also look at how we can create a static image for effect with our own use of persuasive techniques. You will be assessed at the end of this unit with a visual presentation and a short piece of reading comprehension.

Murder Most Foul

How to get away with murder in three easy steps. This topic will look at the short story 'Lamb to the Slaughter' by Roald Dahl and learn how appearances can be deceptive. You will participate in a court case pleading guilty or not guilty for the character. The unit will assess your presenting and essay writing skills.

Horror of H-Block

Everyone loves a good horror story. We love to scare people and be scared. This topic will look at HOW to create a suspenseful horror story that engages your audience. Are you brave enough to take this choice? You will be assessed on your creative writing skills and how you pull information from a text.

Term 2

Survival of the Fittest

The strong survive, in nature and in reality. But how do we really survive different situations and environments? This topic will look at researching some different environments and then "surviving creatively". You will be assessed on your ability to analyse through reading between the lines, using creative language and presenting in a variety of ways.

Double Double, Toil and Trouble

This unit looks at how horrible people really are. We look at how people in society need someone to blame and make fun of. The topics explored will be the Black Plague, the Salem Witch Trials and of course modern day persecution. This topic will assess you on your close reading skills and your formal writing skills.

Under Pressure

How would you feel about having to go to war? In this topic we will read together the novel "My Brothers War" by David Hill, which explores the idea about two NZ brothers who go to WW1. The

difference is, one brother wants to go and the other one doesn't. We will then look at your own perspectives for a range of issues. You will be assessed on your close reading skills and formal writing.

Term 3

Convince Me

Everyone loves a good argument. But what makes that argument a winning one? In this unit you will learn how to form developed opinions on a variety of different topics. You will then explore how to present those opinions effectively in a written and oral way. This topic will assess your formal writing and your oral presentation skills.

Shake your Booty

Music is a way of expressing ourselves and has been for a long time. But what are some of the songs actually about? Explore the deep world of lyrics and then how meaning is translated into music videos. Imagine then being able to use those skills to create your own video for your peers. You will be assessed on reading for meaning and using verbal and visual techniques when creating your own video.

Dystopian - A More Perfect Future

Does the future really look that bright? This unit will look at texts/movies/short stories that deal with our dystopian future. These may be set in the future but for many it is dark and shows the depravity of human nature. This topic will be assessed on reading comprehension, creating your own world and/or producing an awesome essay.

Term 4

Maui and Taniwha

This unit will look at the rich oral culture of NZ. There will be investigations into what stories have been passed down from generation to generation and why they were created. You will look at Maori art, the designs, and of course the mythology that has shaped this culture. The unit will end with a piece of your own creative writing of a Maori myth and a visual presentation of a monster creation.

Good vs Evil

Black and White - Day and Night - Good and Evil. All opposites but essential to the balance of our universe. This unit will look at how good and evil have been packaged to us right from our earliest memories. We will look at what makes a good superhero, a terrible villain and those anti-heroes who we love to hate. This topic will end with the super assessment of creative writing and presenting your own comic.

A Novel Idea

Do you love reading but hate being told what to read? In this unit you will be able to choose your own novel and learn all the ins and outs of that creative world. HOW does the author develop the characters, settings, themes and then learn all the necessary skills to become a literary detective. You will be assessed on your ability to analyse through formal writing and reading between the lines.

SOCIAL STUDIES

You will need to select a minimum of 3 Social Studies topics for the year, however you can always do more.

Equipment needed: Device if you have one
2 x 1B8 Exercise Books – these can be reused for new SS topics
Clearfile 60 Pocket

Term 1

NZ Time Traveller

Take a trip back in time - look at reasons why these first settlers made the hazardous trip to Aotearoa. Discover the first Polynesian settlers, the lawless whalers, the criminals and the migrants who made up the country we call home. This unit will conclude with the assessment of a piece of creative writing in the form of a diary, essay and/or a slideshow.

Our Backyard

Where would your top 10 places be in Aotearoa? This course investigates the natural and cultural wonders of New Zealand. From the landform features that provided the stunning scenery for the Lord of the Rings film sets to our cultural environment. Our country has places steeped in history such as Te Ana (for the rock art) and Waitangi (where the Treaty was signed). For the finale, you will research and make a travel guide of New Zealand.

Armageddon

The end of the world is nigh! Let's look at major catastrophes in history and how people dealt with the aftermath. We look at both natural and manmade disasters that have happened to kill thousands of people over our human history. The exciting climax of this unit is to create a kids book detailing one of the disasters and/or present a speech about your topic.

Term 2

Fight for your Rights

You have to fight for your rights to be free! Whether you are a minority in either race, gender, religion or sexual orientation. We need to look at equality and inclusion in our world. This unit will look at the past inequalities that people have faced, the present inequalities and where our world is heading to now. The conclusion of this exciting unit is to learn how to develop an essay outlining your understanding of the topic and design a media poster.

Rule the World

Find out who are the baddest people in history. Look at individuals who give humanity a bad name. How have they influenced and changed our world for both good and bad. The conclusion to this topic is to research your own subject and create a bunker for them. (either through art, Minecraft or comic strip)

Cold World

Antarctica is a beautiful and unspoiled environment; a place of extremes, but also a place where treasure is buried under the ice. Antarctica's wealth could make countries or individuals rich. Who should make the decisions over access to this amazing landscape and the rights to the mineral resources? What does the international community need to know before decisions are made? This course links the Geography, History & Science of Antarctica. This course includes the opportunity to visit the Antarctic Centre in Christchurch and will be concluded with a brief timeline of events and a poster detailing the resources that Antarctica holds.

Term 3

Trashing our Planet

We live on a fragile planet. What environmental catastrophes is the human race responsible for? This is an issues-based course investigating the human impact on the landscapes and ecosystems of our planet. Issues include climate change, plastic ocean pollution, deforestation, desertification and acid rain. We will look at the ways which we can bring our planet back from the brink. In this unit you will be assessed on a presentation and creating your own board game.

Patterns of our Planet

What shapes the Physical & Human geographical patterns. Where are the deserts and forests located in our world? Do you know where the top 10 cities are located & why? This topic looks at the patterns that we see around our world and what causes them. The unit will conclude with a geographical map designed to show human interaction with the environments and a short slideshow discussing the benefits of these important environments.

A Harsh New Land

What brought people to Aotearoa? Why did they leave their home country and face unknown hardships? This unit will look at the migration of peoples from Polynesia, Europe and the other rowdy unmentionables. You will be assessed in this topic by creating your own diary entries and map of your journey.

Term 4

Protect or Plunder

Our landscape is full of resources that we need to use to earn vital cash. But where do we draw the line – what are the benefits and real costs? Using case studies from Aotearoa and around the world you will weigh up the pros and cons of different uses of the landscape from fracking for oil, mining for metals, flooding valleys to build dams for hydro-electric power to using the landscape for tourism. This is an issues-based course that researches and debates the different perspectives. You will be assessed on a diorama of one of the issues and an essay based upon this topic.

Fire, Ice and Water

Fire, ice and water investigates the geographical history of Aotearoa; the making and shaping of New Zealand. From the fiery volcanoes and shaking earthquakes to the erosional power of rivers and glaciers. We will journey to see places where these stunning features are found and explore the potential hazards that they can wreak. This course includes the opportunity to study glaciers and rivers at Mt Cook.

Social Inquiry

This unit will focus on the interest you have with the real world. You will be taught how to research a topic and the processes involved in this. Find out information about something you have always wanted to know in any Social Studies area. The end of the unit will be a marked booklet showing the research process and forming some conclusions about your topic. This skill will prove invaluable for all subjects in NCEA.

DRAMA

Equipment needed: Clearfile 20 pocket
Lined refill pad

Term 1

Hidden Talent

This unit will look at some Greek and Roman myths and adapt them into a short ten-minute play. You will learn the different drama terminology, how to move your body on stage, and create your own artistic masks to perform. The exciting assessment will be solely based upon your work in a group environment and how you put together this short performance in front of a live audience.

Term 4

Acting Up

Become a drama llama and join in for a bit of fun and artistic expression. Put that teenage talent to good use and learn to write your own script and present your own short play. Develop your stage presence and explore the different aspects of stagecraft. We will look at everything about sound and lighting, stage makeup, and performance techniques. This unit will conclude with a ten minute stage play which will be assessed. WARNING: Special guests may be involved.

SCIENCE

You will need to select a minimum of 3 Science topics for the year, however you can always do more.

Equipment needed: Device if you have one
2 x 1B8 – these can be reused for new Science topics

Term 1

Superhuman

The sequence of events that lead up to your existence today is quite unbelievable. In this unit you will learn about human evolution, genetics and some basic brain science to show you how we became superhuman.

Science of Selfies

Next time you take a selfie, take a second to think about the technology and science that lets you do this. In this unit you will learn about the innovation of lenses through time, how our eyes perceive light, how we can manipulate photos and videos and digitally store this data.

To the Moon and Back

Look at how space travel has developed from the first human in space to the proposed new moon landing in 2024. See how astronauts are trained to survive during space travel and in space.

Term 2

Saving Batman

Bet you didn't know we have our very own Batman right here in South Canterbury! In this unit you will learn about the diversity of plants and animals in our region, including native bats, and why conservation and sustainability are important for their survival.

I've Got the Power

What is power? This word has different meanings. In this unit we look at the physics of energy, electricity and how we generate "Power" to make our lives easier.

Food Science

Have you ever wondered what is in your food that makes it taste so good? What about why we need to follow recommendations of use-by dates?

In this unit we learn about the science of taste, modern methods of food preservation, useful and harmful microbes in our food, traditional Maori techniques of storing food, early European methods of storing food, chemistry of our food, what atoms and molecules make our food, energy in food and how this is transferred to us to use.

Term 3

Health Advice from Dr Donald Trump

Would you ever take health advice from Donald Trump? What about people you don't know on Facebook? In this unit you will learn about the anatomy of the human body and how to tell if scientific information on the internet is accurate or not.

Bombs Away

In this unit we look at the Science of Explosions! This includes learning about what materials are explosive, what fuels are combustible, and what useful applications of explosives there are. We also learn about the physics of an explosion and the impact they have.

Tāwhirimātea: God of Weather

In this unit we will look at Māori legends of the weather and how the climate is slowly changing due to our activities. Build Maui kites and fly them, learn how to do a weather forecast and understand how different weather events occur.

Term 4

Robotics

In this unit we learn about technology, electronics and innovation. We learn about the ethics of robotics, good robots vs bad robots, and also have a go at building and creating a robot to fulfill a purpose.

How did they build it?

Ever wondered what the pyramids are made of or how people kept their food fresh before refrigerators? This unit covers how materials are used to build different everyday items, such as pottery, glass and buildings. Test practically how strong these materials are and how we can change these materials to fit the job they need to do.

Survivor

Imagine you are stranded on a desert island, lost in a tropical rainforest or forced to live on the streets. How long could you survive? In this unit you will learn some scientific tips for survival in different climates, including the science of growing your own food and drinking your own urine.

AGRICULTURE

Equipment needed: Device if you have one
1B8 Exercise Book – these can be reused for new topics

Term 1

Big Bulls

This course looks at the cattle industry in New Zealand. We will explore both the beef and dairy industry and its importance to the New Zealand economy.

Students will be involved in looking at both beef and dairy farming and researching the different elements of this industry. This unit will look at Farm practices but also will look into processing and selling off the products that the farmers produce.

Term 2

Cash Crop/Wai water

Students will learn about the fundamentals of growing pasture and arable crops in New Zealand agriculture. This course will involve practical experience in growing, experiments and field trips to investigate what crops are grown in New Zealand. We will also explore the scarcity of water in the South Canterbury region. It will look at how farmers use water and its importance in growing high yielding crops. We will look at the range of irrigation products which are available. Discuss how water sustainability is embedded into New Zealand farming practices and what processes must occur to avoid scarcity and to improve water quality in our South Canterbury Rivers.

Term 3

Bambi

Students will learn about the deer industry in New Zealand. Students will look at the history of the New Zealand deer farming and how it evolved to its current place in New Zealand's agricultural sector. The course will do some field trips to look at the processing of deer/venison and look at the current deer farming practices which help grow the productivity of this industry.

Term 4

Bees and Trees

This course will look at the relationship between the horticultural industry and the beekeepers of New Zealand. Kiwi fruit wineries and forestry will be studied. The Honey industry will be studied from both the bee and the honey aspect.

EDUCATION FOR SUSTAINIBILITY

Equipment needed: 1E8 Exercise Book

Term 2

Shop till you drop

Every time you shop and spend money you cast a vote for what planet you want to live on. In this course we explore different consumer products and critically analyse the sustainability of the product and company. We explore ways to make improvements to existing products and come up with ideas for new consumer products. We also look at what green washing is and how to spot it.

Term 3

Off the grid

How would you get by if there was no central electrical supply? No supermarkets? No supply of water? No flushing toilets? This course looks at what the science is of sustainable living and how to get by “Off the grid”.

PHYSICAL EDUCATION

You will need to select a minimum of 2 Physical Education topics for the year, however you can always do more.

Equipment needed: PE uniform and sports shoes are required for all activities
Pen or pencil.
Additional refill would be useful, however, most of our work will be completed in workbooks (provided).

Term 1

Faster, further, higher.

Practice and combine your favourite Athletics events into a biomechanical fest of self improvement using digital devices. You will try a variety of events, some new, some established and we will analyse your performance, improve your technique to enable you to perform at your best! We will develop a personal fitness programme that will support your preseason training for the winter sports.

Summer stunners

Become a Wimbledon winner on the court. You will be developing your tennis game, learning the rules, and how to umpire. Our final tournament will be a fun way to showcase your newly acquired skills. You will also be learning a range of shots in volleyball developing fine motor skills, spatial awareness and teamwork skills. Finishing this unit, we will be heading to Caroline Bay for a game of beach volleyball.

Term 2

Bounce, fly, juggle

Have fun developing your skills in flight, across obstacles and space to create a routine on the trampolines, vaults and mini tramps. Learn new and enhance existing skills in a variety of activities such as juggling, unicycling, slacklining, parkour, obstacle course designing, racing and much more. Explore adventure based learning and how teams form, storm and norm.

Taonga hākinakina tuku iho

Mauri tū mauri ora - an active soul is a healthy soul. Explore the whakapapa of games that were created for fitness and warfare. Discover the legends behind traditional games such as ki-o-rahi, mau rakau, poi toa and more, while developing crucial sporting interpersonal skills to increase your chances of success.

Mouthguard is recommended but optional.

Term 3

The weird and wonderful world of international sports and games.

You will be introduced to unusual games from around the world, such as Kibadi, Korfball, Lacrosse, Gailic Football and many others. Develop your understanding of them, with tactical and strategic knowledge, and develop new skills which you will use to devise your own game and teach others how to play it. Who knows you could be the world champion at a new sport!

Mouthguard and shin pads will be required.

The Classics

Basketball, Netball, and Touch. Learn to refine your sporting skills and strategies in these classic games to improve your weekend performance or to acquire new skills. Teamwork, communication and fitness will be the focus of this unit. A mix of outdoor and indoor lessons to keep you motivated during the winter months.

Mouthguard is recommended but optional.

Term 4

Working on well-being

During this unit you will explore how to develop a lifelong interest in keeping yourself fit and healthy. We will learn physical and emotional first aid, nutritional concepts, yoga, swimming, and discover walks in our local community. This is a non-competitive option with a focus on all aspects of hauora and developing resilience.

Swimming togs and towel are required.

Bush skills like Bear Grylls (But we won't do the nasty stuff!)

Learn bush skills and how to move safely in the outdoors, plan a route, develop the basics of navigation, with and without a map and compass, develop fitness and skills to enjoy a wild tramping trip. Learn bush skills. Plan a three day trip from Point X to Point Y (You will decide where and how as a group). Then carry out the three day expedition.

Camping and tramping gear, access to a bike and helmet (School has a few bikes but not many) are required.

JAPANESE

Equipment needed: Device if you have one
A4 (Small) Ringbinder 26mm
Dividers
Lined refill paper

For anyone who wants to be a global citizen, this course will be your first step to learn about another language and culture. In each of the courses below we will learn how to read and write katakana, hiragana and kanji. We will use the content of each course to explore the Japanese language and culture through listening and reading the language and later writing and speaking it. In order to be ready for Japanese NCEA Level 1 in Year 11, it is highly recommended that you choose 2 or more from the Japanese courses below.

Term 1

Let's go to Japan! Where will you go?

Of course you want to go to Japan, but where will you go and what will you do? Should we go to the big city full of skyscrapers or explore the Ninja Temple in Kanazawa? We could sing in a karaoke box or go to a Japanese amusement park! Let's plan our trip together!

Anime - Haikyu!

Many of you are familiar with the Japanese animation, Haikyu. We'll use short clips and scenes from this anime to learn some Japanese. Will Karasuno get to the finals? Will Hinata-kun and Kageyama-kun ever get along? Let's find out!

Term 2

Let's go to Japan! What will you say?

You've made it to Japan, but what do you say to people? How can you make friends? Or you might want to help a Japanese tourist here in NZ. What do you say? We'll look at many different situations and make sure that you can!

What do they eat in Japan?

Most of you have tried sushi, but there's so much more. Ramen, tempura, sukiyaki, sashimi, okonomiyaki . . . What are the different kinds of Japanese food and how do you eat it? What do I need to know about eating in a restaurant? Let's find out!

Term 3

Let's go to Japan! Meet your Japanese host family

Living with your host family is perhaps the most daunting, but definitely the most rewarding part of your Japanese experience. Let's learn about what it's like to be part of a Japanese family!

Term 4

Let's go to Japan! What will you do at school?

Could school ever be fun? Maybe in Japan it can. We'll learn about the normal day at a Japanese school, what they study and what they eat for lunch, but wait until you find out about the after school club activities. They have most sports as well as clubs like art, calligraphy and drama!

TE REO MAORI

Equipment needed: 1B8 Exercise Book – these can be reused for other Maori topics

Term 1

Tēnei Ahau

In this unit students will be able to express themselves and who they are: āhuatanga (physical and character descriptions), likes and dislikes, school and home life. They will explore their identity and family connections (whakapapa). The learning will be around how to communicate this in Te Reo and what kupu Māori are the most appropriate to use while doing this.

Term 2

Te Ao Māori - The Māori world

This unit explores the Māori World, past and present. We will study the customs and mythology of Māori (including Matariki) and what shaped their everyday lives. We will also take a look at Māori waiata and haka, and the significance of pūoro (music and dance) within Te Ao Māori.

Term 3

Mahika Kai – Food gathering/ preparation

In this unit we'll be looking at kai specifically. We will study traditional preparation of kai and look at how these practises have changed over the years and into the present. We will also explore key concepts related to the whenua such as kaitiakitanga (stewardship) to be able to renew and access resources for future generations (with a focus on Ngāi Tahu Mahika kai). Ākonga will be hands on crafting, cooking and eating during this programme.

Term 4

Te Marae – A place to stand

This unit allows ākonga to learn about the purpose of a marae and different types of hui that take part there. Students will explore tikanga & kawa (customs and protocols) of the marae as well as the parts of a powhiri and the tikanga associated around different gender roles. Ākonga will attend a local marae or participate in a powhiri after learning about this kaupapa to put their learning into perspective.

ART

Equipment needed: Pencil set – purchased from School Office $10
Drawing Wallet

Term 1

Colour that pattern

Create repeating patterns and apply colour knowledge to paint during this unit. Then use these skills to create digital copies of the images. This course has a cross curricular element as it makes use of Maths, with measuring, geometry, and translations.

Term 2

Did you see Banksy?

This will involve learning about "Street Art" and how to adapt an image to work as a stencil with the introduction of a simple layered stencil task. You will look at Street Art around the world.

Term 3

Myths and Legends

Students will look at taking their favourite myth or legend from our cultural past.

Term 4

Introduction to NCEA Painting/Photography

Students will look at NZ landscape artists and study how to put together a composition to create a final painting or photograph.

MUSIC

Equipment needed: 1E4 Exercise Book – this can be reused for other Music topics

Term 1

Building Sound

Learning about sound - how it's made and how to make it. We will be creating instruments from scratch by using every day objects and learning to use these sounds to create music. This links to Science and Technology. Students will be learning music notation and performance skills throughout this and all other modules. All of these modules will lead through to NCEA Music in Year 11.

Term 2

The World of Music

Classical/ World Music/ The Unknown! Exploring the wide world of music - from the music of other cultures to the weird and wonderful side of music that you never usually hear, including music from the past.

Term 3

Opihi Live

Performance/Recording - focus on learning to perform songs written by others, analysing them and working on communication skills needed to perform live music. Students will perform at end of term concerts throughout the year.

Term 4

Putting It Together

Composing and recording - students will learn the basics of recording on Garageband. Students will use skills from other modules to present musical pieces that will be recorded on multitrack equipment.

DIGITAL VISUAL COMMUNICATION

Equipment needed: Pencil Set – purchased from School Office $10

Term 1

Sketching and Rendering

Complete a series of sketches that can be rendered showing reflection and light source. Students will then make a mock up of their own coffee table.

Term 2

Logo Designs

Use graphical skills to design a logo that can be used for advertising using digital programmes. Use your logo design to make a skateboard or scooter deck.

Term 3

Design a Tramping Hut

Students will be given a brief that will outline the environment that the hut will be situated in and also materials needed in the construction. Some computer work will be done if time allows.

Term 4

Nuts and Bolts

A fun taste of DVC (Graphics). See what NCEA Level 1 DVC is about and learn drawing skills that will help with Engineering, carpentry, and Product Design

FOOD TECHNOLOGY

Equipment needed: Clearview File (20 pocket)
1B8 Exercise Book – you may use this again if choosing another Foods course

Term 1

Ice, Ice Baby

From ice to cream and everything in between. We all love ice-cream but now students have the opportunity to design and make some amazing desserts. Students will gain skills to plan, design and create their own high quality product. Students will learn how ingredients can interact and react with each other.

There will be a take home component cost for materials for this course of $25

Term 2

Flight OC3682: Departing Term 2

Imagine yourself eating a curry in Calcutta, sushi in downtown Tokyo or a bagel in New York. What if you had the skills and could make these foods yourself? Jump on board this flight and join us to learn how to make foods from other cultures and for sampling some of the world's gastronomical delights. Your captain will guide you through basic food handling skills and navigate your way through learning new techniques and processes.

There will be a take home component cost for materials for this course of $25

Term 3

Show Me the Dough

How to turn dough into bread or bread into dough. Take yourself on a food tour around the world and experience making a variety of different bread products. This is your opportunity to develop skills to become an artisan baker. You will be learning about food hygiene and safety, bread as a staple food and the techniques and processes of bread making.

There will be a take home component cost for materials for this course of $25

Masterchef Class

Bring out the inner chef in yourself and entertain your guests in your "Pop-up Restaurant" with the food which you have made.

Throughout this unit you will learn how to prepare food safely and hygienically, plan and cost menus, write invitations, host a venue, prepare and present food fit for service in the hospitality industry.

There will be a take home component cost for materials for this course of $25

Term 4

Development of a Food Product

Students will develop, produce and evaluate a food product of their choice. They will be encouraged to experiment with and develop their ideas in regard to developing their product fit for consumer use. Students will also be analysing packaging which is used in today's market as well as the information which is used on food labels in order to design a food label for their product.

There will be a take home component cost for materials for this course of $25

Kiwi Kai

In this unit students will learn about our indigenous foods and various cooking methods. They will learn about the traditional customs and protocols associated with preparing a traditional hangi. Students will also be able to identify the many factors which influence the food we eat which are "as Kiwi as" eg. our hunting and food gathering traditions.

There will be a take home component cost for materials for this course of $25

MATERIALS TECHNOLOGY

Equipment needed: Pen and pencil

Learn to use hand tools, basic power tools and workshop processes. Gain the confidence and construction techniques to be able to bring your ideas to life. You will be able to take your designs and learning new construction skills that will enable you to take your completed item home.

Take home component cost for each course will be determined by each chosen project.

Term 1

Pallet Attack

I've got a stack of wooden pallets. Let's bust them to make something new! You will upcycle a pallet to create an item of your choice. If you are new to Materials Technology or a junior builder, you will learn and expand your research, design and construction skills in this course.

Term 2

Whirlygigs

You can harness the power of wind and water. Use a range of resistant materials both new and old to create a 'whirlygig'.

Q. What is a 'whirlygig'?
A. Garden art that uses water and/or wind to move.

Term 3

Stash it!

Treasure chests big or small, a hidden compartment is a must. You will use a range of resistant materials new and old, to create a treasure chest. By initially following a plan, then moving on to designing and creating individualised aspects of your chest. This course enables you to gain the skills needed to successfully read, interpret and follow a plan to complete a project.

For students who have a passion in this area and are looking at continuing this subject into NCEA, you could chose to make a larger project which would go over Terms 3 and 4.

Term 4

Off the wall

Indoor, outdoor, micro or maxi…..create a multi tiered hanging garden, or storage solution. Plenty of room in this course for creative ideas.

FABRIC TECHNOLOGY

Take home component cost for each course will be determined by the chosen project. It is very dependent on fabrics chosen and extras needed, such as zips, thread and buttons etc.

Term 1

Fashion Designer

Dare to be different! Let your own personal style be your inspiration. Design the range that you have had in your head for ages, recreate and reinspire something you already have. Be bold, be creative and be amazing.

Learn to use industrial machines and gain the confidence and skills to be able to bring your ideas to life. You will be able to take your designs and make a personal pattern to enable you to be a successful designer.

Extra equipment needed: Faber Castell Graphite Sketch Set (if you have done art you may already have this) $10.00

A3 Bockingford B21 120gm sketch pad and cover if you have done art you may already have this) $10.00

Term 2

Fashion Creation

Just do it! Make your idea, no matter what it is, shorts, a dress, a jacket or jeans, take it from virtual to reality. Let your imagination guide you and use your new skills to create your vision. Make it a personal fit, make it amazing and make it your own creation.

The skills you will gain in this module are problem solving, using industrial machinery, garment construction methods and creative finishing.

DIGITAL TECHNOLOGY

Term 3

App Wizard

Let us awake the whizzkid within you! The next popular app you need could be DIY. Yes! It is totally possible and only “APP” to you! This course gives you the magical toolbox, the fundamental framework of computer science and software engineering to do it. You will define, design, develop, debug and deploy at least 5 apps of your very own that you can potentially put on your phone and show to your friends and parents. Who knows one day you may be the next famous app developer and wizard!

Technology and Art Collide

This course is an extension on what has already been taught at Years 7 & 8 with Photoshop and will involve the creation and use of images and artwork in Photoshop. This is ideal for students intending to do Art or Photography later in the Senior School. It will involve photography and may involve some digital painting. Copyright and appropriation concepts will be covered.

Term 4

Robocop Returns

Ever thought of having a Robot Sumo Wrestle? What about something more musical like a boogey with one? You can also simulate a rescue operation and if not, we can always invite RoboCop to win the last episode of Robot Wars.

This course gives you a practical exposure to tangible computing using the fundamental framework of computer science and software engineering via Robotics. It will all be visual and tangible releasing your creative thinking with sheer fun. This course may have a small fee to rent your Robot Pet for the term.

Code Breakers

In this course you will use Tynker and Scratch to learn some basic coding skills. You will also have the opportunity to use the skills you have learnt to code for robotics.