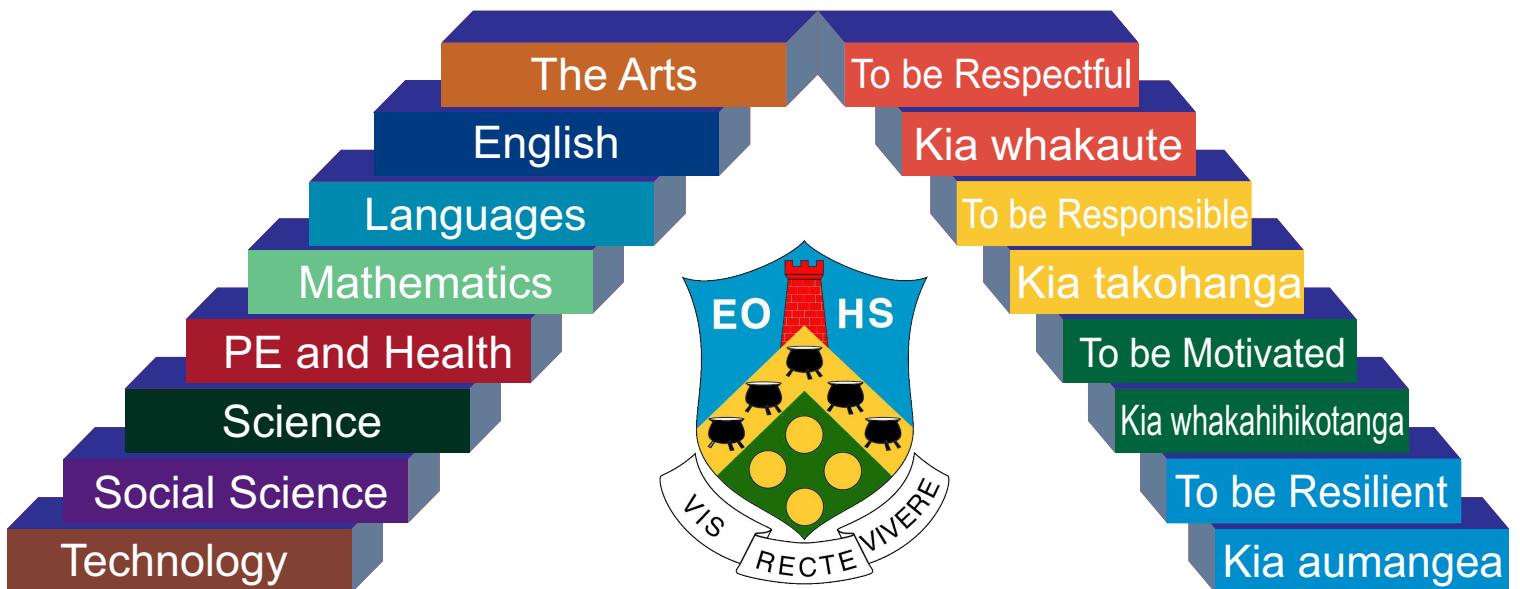




East Otago High School

Te Kura Tai Rawhiti Ki Otakou

Junior Curriculum Option Booklet



“Strength through Learning”
kia kaha ma roto matauranga

The building blocks for your future



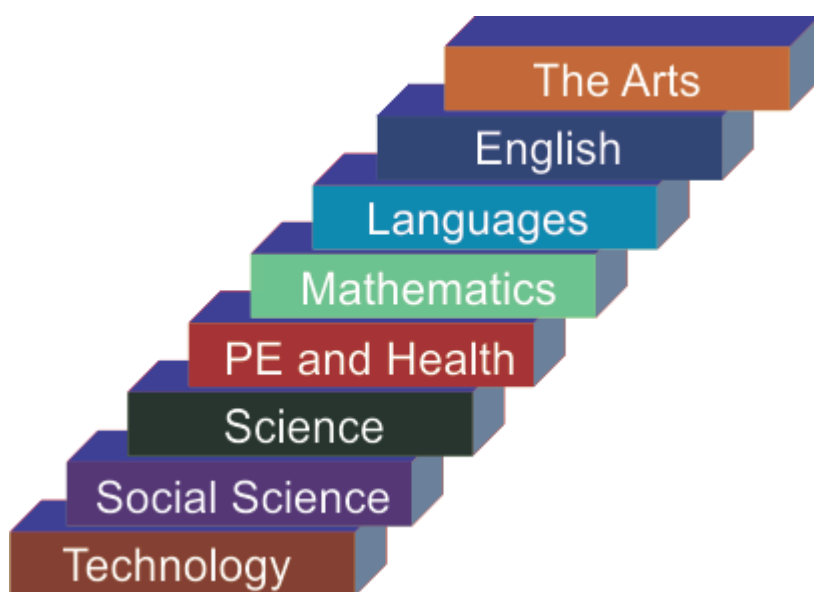
INTRODUCTION

East Otago High School offers a dynamic and engaging curriculum at Years 9 and 10. The purpose of our curriculum is to allow students to “build their future”, while creating a passion for learning by allowing them to follow their interests and talents. Our goal is to allow students to engage in what they are good at and work with them to become great at it. Each course is underpinned by key skills and knowledge to prepare students for NCEA and life.

Students will study twelve courses during each year. The year is divided into two semesters which are approximately 20 weeks in length. Students study six courses each semester totalling twelve each year or a total of 24 over two years.

All subject areas are available. In each major subject area there are a variety of courses focused on different elements, ideas and contexts.

The major subject areas are:



We also offer the “Rite Journey” which will involve all Y9 and Y10 students one period each week.

It is important that students have a choice of what, how and when they study each curriculum area. It is also important that students gain core subject knowledge by engaging in each curriculum area while in Y9 and Y10.

For 2021 we recommend that students study a broad range of courses from a variety of learning areas as listed above. It is important to gain the necessary skills and knowledge from across our curriculum to best prepare for NCEA. Taking courses from each learning area is one way to gain this preparation.

There are a range of people who will check your course selections to ensure they are the best for you.

Student must take a minimum of three Mathematics based blocks and three English based blocks over the two years.

Vertical Form teachers will work closely with students and their families to help ensure each student follows their passions to become great in their areas of choice, whilst gaining the knowledge and skills for NCEA, employability and learning for life.

Students; please use the next page to unpack your interests, passions and talents to help you decide on the courses that are best for you.



A Values Based Education

The values that our curriculum develops are both school and lifelong values:

The skills learnt throughout the year will ensure that students are successful in their future study and working lives. Skills developed are:

1. Positive attitude

- a. I am positive and have a “can do” attitude.
- b. I am optimistic, honest and show respect.
- c. I am happy, friendly and enthusiastic.
- d. I am motivated to work hard towards goals.

2. Communication

- a. I understand, and reflect on, the way I communicate and how it affects others.
- b. I ask questions when unsure or unclear.
- c. I speak, listen and share ideas appropriately.

3. Team work

- a. I work well with others to complete tasks and meet goals.
- b. I contribute to developing new ideas or approaches.
- c. I work well with others of different genders, cultures or beliefs.

4. Self-management

- a. I arrive at class on time, with appropriate clothing and equipment to complete a work day.
- b. I understand, and reflect on, my own words, actions and behaviour, and how these affect

others.

- c. I show commitment and responsibility.
- d. I am dependable, follow instructions and complete assigned tasks.
- e. I am responsible for my own health and wellbeing.

5. Willingness to learn

- a. I am willing to learn new tasks, skills and information.
- b. I am curious and enthusiastic about learning.
- c. I look for opportunities to work more effectively.
- d. I accept advice and learn from feedback.

6. Thinking skills (problem solving and decision making)

- a. I identify and assess options before making a decision.
- b. I recognise problems and use initiative to find solutions.
- c. I think about consequences before I act.
- d. I recognise when I need to seek advice.

7. Resilience

- a. I adapt and am flexible in new and changing situations.
- b. I handle challenges and setbacks and do not give up.
- c. I am able to seek support and help when needed.
- d. I recognise and accept mistakes made and learn from them.



Timetable Constraints

At the beginning of this option change, we asked all students to select their preferred six options with three alternatives. That gave us an understanding of what our students preferences were in regards to curriculum areas and associated options.

Since then, we have now put both semesters into option lines based on the student's initial selections. Students new to the school will need to select six options for each semester, if the option selected is full, one of the other options in that line will need to be allocated.

Please remember, you must take a minimum of three Mathematics and English based courses over the two-year period.

Below is the range of options we offer at East Otago High School for 2021. A new range of options will be designed for 2022 so we have alternative years operating as classes will be combined with Y9 and Y10 students.

Courses in Each Semester

Semester One		Semester Two	
Course	Curriculum Area	Course	Curriculum Area
School of Rock	Music	Digital Mania	Digital Technology
Movie Stars	English	Genre Busters	English
Believe it or Not	English	Media Works	English
Train like a Pro	Physical Education	Life's a Stage	Music
My Team and I	Physical Education	From Hill to Sea	Social Science
Myth Busters	Social Science	Skills for Living	Social Science
Making a difference	Social Science	Forked up Figurines	Materials Technology
Wax n Wood	Materials Technology	What is It? Development	Home Economics
Around the World in Meals	Home Economics	Clean and Green	Science
Down on the Farm. From Paddock to Plate	Agriculture and Horticulture	CSI: Forensics	Science
The Human Machine	Science	Identity	Art
RocketLab	Science	Te Ao Maori TIKANGA	Te Reo
Photography	Art	All About Me	Physical Education
Maori Games and Pastimes	Te Reo	Giving Back	Physical Education
Flying Away with Maths	Mathematics	Puzzles, Patterns and Money	Mathematics
Maths in Space	Mathematics	Maths and Digital Technology	Mathematics

The shaded courses are identifying the Literacy and Numeracy requirements. A reminder that you must select three Mathematics and three English courses over two years.



Course Selection Sheet 2021

Course selection for Semester One (Term 1&2)

Please select your six options by ticking on the box provided.

Option	Course	Curriculum Area	Tick to select
Option 1	Train like a Pro	Physical Education	
	School of Rock	Music	
	The Human Machine	Science	
Option 2	My team and I	Physical Education	
	Maths in Space	Mathematics	
	Myth Busters	Social Science	
Option 3	Believe it or Not	English	
	Maori Games and Pastimes	Te Reo	
	Wax n Wood	Materials Technology	
Option 4	Flying Away with Maths	Mathematics	
	Around the World in Meals	Home Economics	
	Rocketlab	Science	
Option 5	Movie Stars	English	
	Making a Difference	Social Science	
Option 6	Down on the Farm. From Paddock to Plate	Agriculture	
	Photography	Art	

Course selection for Semester Two (Term 3&4)

Please select your six options by ticking on the box provided.

Option	Course	Curriculum Area	Tick to select
Option 1	Giving Back	Physical Education	
	Life's a Stage	Music	
	Clean and Green	Science	
Option 2	All About Me	Physical Education	
	Puzzles Patterns and Money	Mathematics	
	From Hill to Sea	Social Science	
Option 3	Media Works	English	
	Te Reo Maori TIKANGA	Te Reo	
	Forked Figurines	Materials Technology	
Option 4	Maths and Digital Technology	Mathematics	
	What is it? Development	Home Economics	
	CSI Forensics	Science	
Option 5	Genre Busters	English	
	Skills for Living	Social Science	
Option 6	Digital Mania	Agriculture	
	Identity	Art	



First Semester Courses

School of Rock	
Learning Area: The Arts (Music)	
Course Description	Join the band! In this course you will focus on developing the basic skills needed to play in a band. This will include learning to play some guitar, keyboards, drums, bass, and singing. If you already play an instrument, you will be challenged to improve your skills and put them to use playing with others. Through exploration of the history of Rock and critical listening, you will learn to identify the musical elements that make different genres of music unique. You will learn to read chord charts and simple rhythms and melodies. In this class you will play, rehearse and perform a variety of musical styles from different time periods with a band, and develop your interpersonal skills to make sure you can be a part of a fun and functioning music group. Then put it all together in a performance that you will present to an audience!

Movie Stars	
Learning Area: English	
Course Description	Who are you, really? How do you know? The Movie Stars course focuses on the concept of ' <i>identity</i> ' through the study of film. We will look at feature-length films, short films, trailers, film posters and music videos for an insight into who we are becoming as teenagers in today's changing world. We will be introduced to auteur study - the study of a director with a recognisable style - and how to discuss film critically. The abstract concepts of philosophy and psychology will be applied to big ideas in order to begin to understand who we are and how we can find our place in the world.

Believe it or Not	
Learning Area: English	
Course Description	This unit will teach students to think critically about current health fads, such as the use of essential oils, HIIT workouts and following influencer advice. Students will research and develop a voice about the way health products and regimes are advertised and evidenced. This unit will cover analysing statistics and scientific evidence, research, report writing, debating, diary writing and other reflective practices. Students who are interested in health, social media and wellbeing will enjoy taking this option



Train Like a Pro

Learning Area: Physical Education

Course Description	This course involves personal and individualised activities specific to your sport. This is a perfect course for those who want to focus on understanding how you can improve your performance through weight training, programme prescription as well as providing the fundamental knowledge about exercise physiology and biomechanics. Also we look at what we can do to maintain and enhance our Hauora through sport psychology.
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My Team and I

Learning Area: Physical Education

Course Description	This course looks at the roles and responsibilities of a sports team while participating in a number of team events/sports. We look in depth at how it functions, the roles of the players, coach, referee, water boy, manager, etc. It will look closely at Interpersonal skills and how they are used in order to improve the functioning of the team. Students selecting this course will be wanting to learn about teamwork and leadership skills and how to apply them. Individuals will need to demonstrate social responsibility and aim for the highest level.
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Myth Busters

Learning Area: Social Science

Course Description	Investigating Historical and Urban Myths, through inquiry learning. Developing investigative, question skills, examining and explaining different perspectives. Paragraph writing. Field trip to Dunedin. Investigating historical international and local mysteries. Did humans land on the moon? Who Shot JFK? 1st Semester.
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Making a Difference

Learning Area: Social Science

Course Description	Looking at local heroes and organisations that make a difference and help our community. Such as the Fire Brigade, Police, Plunket, St Johns, the Rural trust etc. Guest speakers and field trips to look at what these organisations do, and activities while there. Also involves understanding service to our community. 1st Semester.
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Wax n Wood

Learning Area: Technology (Hard Materials)

Course Description	The students will develop skills through sketching, modelling of surface development, explore 3D drawing techniques and packaging. Students will create a range of candles based on a chosen concept that has been researched and developed using techniques including surface development, colour palates and a scented fragrant concept.
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Flying Away with Maths

Learning Area: Mathematics

Course Description	Throughout the history of humankind, people have been fascinated by flying. This course is about some of the mathematics used by pilots and aviation engineers. It is also about the mathematics involved in certain tourist attractions like bungy jumping and casinos. The activities include measurement with regards to time, distance, speed, acceleration and direction as well as experiments involving statistics and probability.
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Maths in Space

Learning Area: Mathematics

Course Description	Students will explore concepts that relate to space as well as general maths problems that get students thinking and solving problems. For example, how long would it take to travel to Mars? How much rocket fuel would you need? What would be the financial cost associated with this? During this course students will answer these questions and many more. The course will have information and problems based on simple algebra, statistical inquiry, probability, space, shape and geometry.
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Around the World in Meals

Learning Area: Technology (Home Economics)

Course Description	<p>H`akar from Iceland. Escamol from Mexico. Steak Tartare from France. Wasp Crackers from Japan. This module explores the many different foods and food choices found around the world that will either leave your mouth watering or your stomach churning. You will look at how food availability and choices differ across continents, countries and cultures as individuals, families and societies choice what foods typically form part of the diet or are treated as a delicacy or a taboo as it is offered and in some cases consumed alive on the plate in front of you. How have these choices developed and in what ways does this impact the food choices and food preferences of the people living there. Tradition, ethics and enterprise will be explored to see why tastes and choices range as you head around the world to experience a variety of dishes to taste and dishes to avoid. Please note: No monkey's, horses, cats or dogs will be harmed in the making of any of the meals produced in this class.</p>
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Down on the Farm. From Paddock to Plate

Learning Area: Science (Agriculture and Horticulture)

Course Description	<p>Sheep and cattle are the most widely farmed animals in New Zealand with 44% of all farms in New Zealand being sheep and beef with a total of 29.5 million sheep and 3.6 million beef cattle. We will be investigating how the common life processes of animals and plants on a New Zealand sheep or beef farms are able to be managed by farmers as they aim to improve the number and quality of their animals. We will also explore other farming methods including poultry, pigs and bees. We will have farm visits to have an experience of what farming can be in New Zealand. Experts/including Farmers will talk to us about and what they do to help farms become a business success.</p>
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The Human Machine

Learning Area: Science

Course Description	The Human Machine! It's an amazing system full of complexities and intricacies. This course explores all the ins and outs of our Body Systems covering topics from Anatomy to fighting Covid! In this course, students will explore the following topics within a Human Biology context: Human physiology – respiratory, cardiovascular, digestive, musculoskeletal and reproductive systems Physics of sport – speed, forces, biomechanics, energy transformations Genetics – variation, DNA, inheritance of characteristics Nutrition – functions and chemistry of key nutrients, food types and energy content Microbes and the Immune System - how the body fights off attack from various pathogens Health Focus - ailments and remedies (including home/traditional remedies) Mental Health - how the brain works and how to keep a healthy brain
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RocketLab

Learning Area: Science

Course Description	During this course students will design and build model rockets with gunpowder engines that can fly up to 150 meters into the air. Students will also get to construct different circuits and create games with circuit boards and components. A number of different household appliances will be provided and deconstructed in class. Minecraft will be used to make a Mars surface habitat. Rocket fuel will be investigated with a number of different experiments. Spheros will be used and race tracks will be designed for them so that students can compete with each other in making their sphero travel the fastest around the track. In this course, students will explore the following topics within an Earth and Space science context. Geology - Rock types, tectonic plates, structure of the Earth and volcanoes Electricity - Circuit components, appliances, building circuits and makey makey Forceful Physics - Rockets, propulsion, parachutes, forces, spheros, mass and weight Colourful Chemistry - pH, acids, bases, reaction experiments, chemicals Human body - Low gravity environments, basic biological systems, could we survive in space?
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Photography

Learning Area: The Arts (Visual Arts)

Course Description	Learning the technical aspects of photography is crucial, but you must also learn to compose a photo. Photography is a form of artistic and creative expression and is the first major art form of the 21st century. A good photograph can have high artistic value through the use of composition, exposure, lens selection, and lighting. This course will focus on the technical aspects of taking a properly exposed photo but also a good photo is not only properly exposed, it can evoke an emotional response from the viewer. Photography is a process of capturing a moment in time from your unique perspective. The course will look at different genre in photography and will be based on the study of famous photographers and their work.
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Maori Games and Pastimes

Learning Area: Languages (Te Reo)

Course Description	If you want to have fun and get really physical this is the course for you. We will play games, understand the historical aspects of the area, share fun stories regarding myths and legends as well as enjoy some good fitness in the world of Maori.
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Second Semester Courses

Digital Mania	
Learning Area: Technology (Digital Technology)	
Course Description	<p>The Digital Mania course is targeting a wide variety of skills with outcomes that have outcomes to solve real life problems. Emphasis will be placed on developing a range of skills using both online applications and physical digital equipment which will be interactive and able to be programmed. There are four aspects we are targeting to ensure students gain those skills but also have fun learning them. The Microbit set of resources will allow students to develop their programming skills in Block form, Python and JavaScript. Students will design a solution to a given problem using their programming skills and the range of accessories with the Microbit set to create that solution. Students will also be using Co Spaces to create online animations that highlight a given issue, such as recalling a Maori legend, or giving instructions to tourists who visit the East Otago Area.</p> <p>We will also be using Stop Motion which is an animation technique used to bring static objects to life on screen. We will use this application to tell a story which is related to either topical issues of the time or of local interest.</p> <p>Gaming is a popular aspect to the lives of our students today, hence we will develop skills in game creation using Unity as the platform, Unity will allow students to create sophisticated, professional style games that have educational value but are also fun to play.</p>

Life's a Stage	
Learning Area: Arts (Music)	
Course Description	<p>What is theatre and what does it take to create a good stage performance? This special, exciting collaboration between Theatre, Music, and Dance gives students a rare opportunity to study the basic elements and conventions of theatre as a whole. Deeper dive into working with a script, studying performing arts technologies, theatre forms and the skills involved in bringing them to life on the stage. Students will develop their knowledge and skills in a variety of different performance forms; and will also learn about the history, theories and key practitioners in the worlds of theatre, dance and music. Student will take part in practical classes and work towards performing in a full production in a theatrical environment.</p> <p>Additionally, students will have the opportunity to perform in, or direct, other school productions at East Otago High School, and in the wider community.</p>



Genre Busters

Learning Area: English

Course Description	Have a say in what you study in the Genre Busters course. What's your favourite genre: horror? Science Fiction? Romance? Dystopia? Learn to recognise, describe, explain and critique different genres, as well as having a go at writing creatively and empathically within them. In Genre Busters we will look at novels, short stories, fiction and non-fiction, poetry and song lyrics, and even have a introduction to the world of William Shakespeare. Find your critical voice through an introduction to the world of literary theory, and learn to write with flair and originality in the process.
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Media Works

Learning Area: English

Course Description	Do you have strong opinions? Would you like to know how to have your voice heard? The Media Works course will introduce you to the world of the media, where there are infinite possibilities to inform, persuade, challenge and entertain people through journalism in all sort of ways, including blogs, vlogs, article and opinion writing, debating, advertising and radio. The key to being convincing is understanding your audience and knowing your topic, so bring your critical thinking and enthusiasm for arguing to Media Works and have a go at changing the world around you, one person at a time.
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From Hill to Sea

Learning Area: Social Science

Course Description	An investigation into local environments. How they were formed geologically, and how people used them historically, and how they used today. Visits to local farms, businesses, beaches, Pa etc
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Skills for Living

Learning Area: Social Science

Course Description	Financial literacy. Understanding and learning the costs of: living, student loans and mortgages; through budgeting, investigating investments and small business ideas and marketing. Careers focus: skills and jobs, the workplace, starting at the bottom (working your way to the top), CVs, preparation for a job interview. Life skills: what to expect while flatting; consumer rights; your legal rights. Incorporates Work Week and the Real Game. This can also include everything from flat cooking, to using appliances, shopping for a flat, using a iron, and sewing on a button!
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Forked up Figurines

Learning Area: Technology (Hard Materials)

Course Description	This Technological Module will allow students to work with recycled cutlery sourced from second hand shops, to create figurines to portray characters in sport or recreation. Students will learn to weld, solder and hot and cold forming. This can lead on to jewellery making from the same items.
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What is it? Product Development

Learning Area: Technology (Home Economics)

Course Description	Sweet as or spicy with a twist. Too sour to handle or slightly bitter with a tangy end. This module will look at how new products are conceived, developed, produced and marketed using a traditional flavours or special or local ingredient to bring a new twist to an existing product. You will look into the world of ingredient influence and consumer surveying to learn how product concepts can mean a whole new taste experience where your taste buds do the happy dance. If you love to create in the kitchen then this module will see you develop a new flavour or texture to excite the palate or tempt the taste buds as we cut out the cookies, bake the cake or spice the rice with new combinations to find the one that blows the competition out of the water...and onto the plate. You will also look at how these new ideas are presented on the shop shelf to try to achieve the top spot of best taste experience ever or a passing fad of years gone by. So be prepared to explore the options, create a new, experiment with the existing and make the choice to see if your product design will achieve a golden buzzer moment or the not this time cross of shame. May the odd and flavours be ever in your favour:)
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Clean and Green

Learning Area: Science

Course Description	New Zealand prides itself on this slogan, but how 'Clean and Green' are we? This course looks at some of the environmental issues we face locally, nationally and globally. The focus of the course is to not only examine the issues, but to look towards creative solutions. Students will investigate different methods of energy generation, the impacts of generation on the environment (specifically the issue of climate change) and then explore options for cleaner, greener energy production and consumption in the future. Two local field trips are proposed within this course. In this course, students will explore the following topics within an Environmental context: Climate change - the impact on ecosystems and our coastal environment Fuels and combustion reactions Alternative Energy Solutions - including circuit construction Impacts of Plastics, Air Pollution, Oil Drilling and Mining Our Waterways - includes measuring the health of local waterways and possible interventions
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CSI: Forensics

Learning Area: Science

Course Description	In this course students will develop a range of skills in assessing crime scenes. This will include scientific reasoning and experimentation. Students will be presented with a mock case and will have to gather evidence to present to a judge and jury. Research will also be conducted using digital technology to answer a range of questions related to forensic investigation. In this course, students will explore the following topics within a forensics context: Ballistics - exploring blood splatter, bullets and flight DNA - profiling, using DNA as evidence, analysing DNA, structure of DNA Forensic techniques - Analysing samples and chromatography Biology - human machine, foot prints, biological systems
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Identity

Learning Area: The Arts (Visual Art)

Course Description	Painting - Mixed Media Visual Images: Theme - Identity The arts are an aesthetic language through which humans can express their identity, culture, ethnicity, ideas, feelings, moods, beliefs, political viewpoints, and personal perspectives, which can evoke responses. Demonstrate an understanding of connections that can exist between people, places and objects. Art as a way of expressing yourself and EXPLORING WHO YOU ARE. How and Why do artists create and make art? Learn techniques to develop your own style and develop your own imagery. Develop a body of work.
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Te Ao Maori TIKANGA

Learning Area: Languages (Te Reo)

Course Description	At the heart of Te Ao Māori are Tikanga and Kawa - the ways and the whys of what Māori did traditionally, and what Māori do now. We look at the principles of Tikanga and how they are practised by others and how we can be a part of that. Whakapapa, Whenua, Whānau, Te Tiriti o Waitangi, Mana, Mihimihi, Manaakitanga, Tino Rangatiratanga, Marae, and Wairuatanga.
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All About Me

Learning Area: Physical Education

Course Description	This course looks at health topics that contribute to our total wellbeing. Topics may include Hauora (total well-being), Sexuality, Drugs and Alcohol, Keeping Ourselves Safe, Food and Nutrition, body care, cyber safety, as well as physical activity including ABL Games, Maori games and other fun but challenging activities.
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Giving Back

Learning Area: Physical Education

Course Description	This course looks at the opportunity for you to become a sports leader and understand sport leadership styles under different roles. Roles include the ability to coach, manage or train teams. Students will also have the opportunity to plan events through both theory and practical application. This course also provides knowledge needed for NCEA Level 1- 3 papers.
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Puzzles, Patterns and Money

Learning Area: Mathematics

Course Description	Students will explore concepts that relate to financial literacy and planning. A number of different things will be investigated such as how to earn an income, how to read a pay slip, the difference between good debt and bad debt as well as budgeting. Students will also explore a range of algebraic, trigonometry and pattern recognition concepts. A number of problems will be solved with real life applications. This course provides students with fundamental mathematical concepts that will help them in everyday life as an adult.
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Maths and Digital Technology

Learning Area: Mathematics

Course Description	There would be no such thing as a computer or digital device without mathematics. In this course we will be looking at systematic design, logic and the diverse art of finding solutions. These themes are to be explored by use of dynamic computer programs such as Minecraft, Scratch, Lightbot, Raspberry Pi, Turtle Academy, Desmos, Geogebra, Google Sheets, as well as online activities involving chance and logic.
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