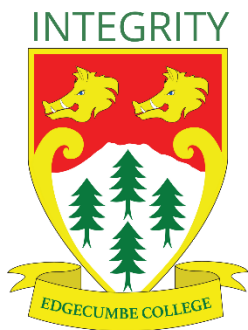


Edgecumbe College



Level 1 Course Booklet 2023

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PLANNING YOUR FUTURE

The purpose of this booklet is to assist you to make informed choices for 2023, so that you achieve success in your chosen subjects and courses. It is important that you choose your subjects carefully and not just select a subject because your friends are doing the course.

The course selection that you undertake in term three will be used by the school to work out what subjects will be offered in 2023. An unwise decision now, may result in the course you really wanted to do not being offered next year.

For those taking external exams the final decision, on which subjects you do next year may have to be made after you get your results in January 2023 and satisfy course pre-requisites.

Year 11	You will study for NCEA (National Certificate of Educational Achievement) Level 1 by gaining credits from Achievement and/or Unit Standards It is compulsory that you study courses in English and Mathematics this year. A course in a Science is strongly recommended. All other subjects are optional.
Year 12	You will study for NCEA (National Certificate of Educational Achievement) Level 1 and/or 2, and/or Level 2 Vocation Pathway Awards. You should know which of your subjects continue into Level 3 courses. You must study a course in English. Mathematics is compulsory if you do not have Numeracy. All other subjects are optional.
Year 13	You will study for NCEA (National Certificate of Educational Achievement) Level 1, 2 and/or 3, and/or Level 2 Vocational Pathway Awards. You need to consider career, polytechnic or university requirements when you choose your subjects. There are no compulsory subjects.

Choice of Subjects

A parent/guardian/caregiver must consent to the final selection choice of subjects by signing the selection form. Any changes during the year must be through your Kaitiaki and have the permission of parents and teachers concerned.

For New Students

Enrolment Interview

A parent/guardian/caregiver must be present at the interview when a course is being discussed and selected.

Placement in English and Mathematics Courses

You will be placed in a class based on the combination of advice from the previous school, NCEA results, tests and an interview with the Year level Kaitiaki or Deputy Principal responsible for the senior school.

NATIONAL QUALIFICATIONS AND CERTIFICATES

National Certificate of Educational Achievement (NCEA)

NCEA Level 1 - requires students to gain 80 or more credits

- A full year's subject course will offer a minimum of 16 credits.
- You will study 6 full year courses.
- Achievement Standards and Unit Standards credits may be included in the NCEA Level 1 Certificate.
- Achievement Standards are awarded at Achieved, Merit and Excellence levels. Unit Standards are usually awarded at Credit (Achieved) only, but a few can be achieved at Merit and Excellence grades.
- Some Achievement Standards are assessed internally (in the school) and some are assessed at the end of the year, in an external exam.
- Unit Standards are all assessed internally.
- As part of the Level 1 requirements, you must gain ten Literacy and ten Numeracy credits. This can be done in one of two ways.

Unit standards – Three unit standards worth a total of 10 credits need to be completed for both Literacy and Numeracy. Evidence can be collected from any subject and is used to create portfolio's which demonstrates competency in the required Literacy and Numeracy skills.

Achievement standards – Achievement standards in a variety of subjects are signposted as counting towards Literacy or Numeracy competency. You need to gain 10 or more credits in Standards that count towards Literacy and 10 or more credits that count towards Numeracy, in order to gain the competency standard required for NCEA Level 1.

More details of the standards can be found at the site

<https://www.nzqa.govt.nz/ncea/subjects/literacy-and-numeracy/level-1-requirements/>

NCEA Level 2 – requires students to gain 80 credits

- You need a minimum of 80 credits of which 60 credits must be at Level 2 or above
- Credits maybe achieved from either Achievement Standards or Unit Standards.
- You also need to gain the Level 1 Literacy and Numeracy requirement

NCEA Level 3 - requires students to gain 80 credits

- You need a minimum of 80 credits of which 60 must be at Level 3 or above.
- Credits maybe achieved from either Achievement Standards or Unit Standards.
- You also need to gain the Level 1 Literacy and Numeracy requirement
- If considering applying for University, the following year it is **strongly advised** that you study five University approved Level 3 subjects in Year 13. **If you take four or more University Approved Level 3 subjects, you may be able negotiate a study line with Mr. Murphy.**

Endorsement of Certificates

The National Certificate of Educational Achievement (NCEA) may be endorsed with the words “Merit” or “Excellence” for any level. To gain a Merit endorsement you need to gain 50 or more credits at a Merit level. To gain an Excellence endorsement you need to gain 50 or more credits at an Excellence level. Credits gained in a higher level can count down to enable you to gain an endorsement at a lower level.

Note: Usually Unit Standards will not give you credits towards Merit or Excellence endorsement.

Subject (Course) Endorsement

You will gain an endorsement for a course where you achieve:

- 14 or more credits at in a subject (at least 3 credits need to be from externally assessed standards and 3 from internally assessed standards. See note below).
- To gain an Excellence Course endorsement the 14 credits need to be at Excellence level
- To gain a Merit Course endorsement the 14 credits need to be at Merit level or a combination of Merit and Excellence level credits.
- To gain an Achieved Course endorsement the 14 credits need to be at an Achieved level or a combination of Achieved, Merit and Excellence level credits
- Credits can only be counted once in a single school year i.e., credits gained as a Year 10 student cannot be counted for subject endorsement in Year 11.

Note:

Physical Education, Religious Studies and Level 3 Visual Arts will be exempt from the requirement to gain external assessed credits.

NZ Scholarship

Scholarship provides recognition and monetary reward to top secondary school students. Scholarship exams enable candidates to be assessed against challenging standards and are demanding even for the most able candidates in each subject. They are externally assessed and are an additional set of exams. They do not attract credits, nor contribute towards a qualification, but the fact that you gain a Scholarship appears on your Record of Achievement. You can enter up to 3 Scholarship exams.

VOCATIONAL PATHWAYS

The Vocational Pathways were developed in collaboration with industry and education to better align and prepare students for further study, training or work. There are six pathways:

- Construction and Infrastructure (C.I)
- Creative Industries (C.R)
- Manufacturing and Technology (M.T)
- Primary Industries (P.I)
- Services Industries (S.I)
- Social and Community Services (S.C)



Standards have been assessed to see which of the 6 industries their content aligns to or supports. Some standards support all pathways. When you look through the course information you will find some subjects are more aligned to specific pathways e.g. Hospitality credits are only aligned with the Service Industry (S.I) pathway.

You can gain a Vocational Pathways Award in one or all pathways. More information can be found at <http://www.youthguarantee.net.nz/vocational-pathways/>

Your vocational pathway progress can be accessed through the student portal on KAMAR.

Your vocational pathway record can be viewed through your NZQA login page.

How do I achieve Vocational Pathway awards?

To achieve the Vocational Pathways Award, you must achieve:

- NCEA Level 2 which includes literacy (10 credits) and numeracy (10 credits) at Level 1 or above, and
- 60 Level 2 credits from the *Recommended* Assessment Standards for a Vocational Pathways sector e.g. Primary Industries (P.I),

included within these 60 credits must be at least

- 20 Level 2 credits from *Sector-Related* Standards for that sector e.g. Primary Industries (P.I)

Both the *Recommended* Assessment Standards and the *Sector-Related* Standards must come from the same Vocational Pathway.

You can achieve more than one Vocational Pathways Award if you complete more than one Vocational Pathway. Frequently asked questions can be found at <https://youthguarantee.education.govt.nz/initiatives/vocational-pathways/vocational/>

Recommended standards are indicated with ▲ in the course outline

Sector related standards are indicated with ● in the course outline

NOTE: Level 1 credits do not count toward Vocational Pathway Awards. They are indicated as recommended Level 1 standards to complete, to gain a good background to attempt the required Level 2 standards.

The Profile Builder: this is an online tool to create a Vocational Profile. You enter the standards achieved (or plan to achieve) using the assessment standards, to build an individual profile. The profile is a graphic representation of learning achievement (and future study options). It shows your learning and achievement, or planned achievement, links to future study options and careers.

Visit <https://youthguarantee.education.govt.nz/tools/profile-builder/> to build a profile.

ENTRANCE TO UNIVERSITY

Minimum standard

- Gaining *Level 3*
and
- Gaining 14 credits a *Level 3* in each of **three** University approved subjects (see the list on the next page)
plus
- a minimum of 10 numeracy credits at *Level 1* or higher
and
- a minimum of 10 literacy credits at *Level 2* or higher (5 must be reading and 5 writing).

The Literacy component for University Entrance at Level 2 can be achieved in designated standards in many subjects. Information indicating this is shown in the course outlines.

Alternatively ask your subject teacher for details or check out

<http://www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/literacy-requirements/>

More detailed information on University Entrance can be found at

<http://www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/>

Credits can be accumulated over more than one year. Where a unit standard and an achievement standard assess the same learning outcomes, they are mutually exclusive for the NCEA qualifications and university entrance purposes. You can check these out by visiting the web site

http://www.nzqa.govt.nz/qualifications-standards/standards/standards-exclusion-list/#_msocom_6

or see your subject teacher.

University Approved Subjects for 2023

Accounting	Digital Technologies	Indonesian	Processing Technologies
Agriculture & Horticulture	Drama	Japanese	Psychology
Biology	Earth and Space Science	Korean	Religious Studies
Business Studies	Economics	Latin	Samoa
Calculus	Education for Sustainability	Mathematics/ Pāngarau	Science/Pūtaiao
Chemistry	English	Media Studies	Sculpture (Practical Art)
Chinese	French	Music Studies	Social Studies
Classical Studies	Geography	New Zealand Sign Language	Spanish
Construction and Mechanical Technologies	German	Painting (Practical Art)	Statistics
Cook Islands Māori	Health Education	Photography (Practical Art)	Technology/ Hangarau
Dance	History	Physical Education	Te Ao Haka
Design (Practical Art)	History of Art	Physics	Te Reo Māori
Design and Visual Communication	Home Economics	Printmaking (Practical Art)	Te Reo Rangatira
			Tongan

A new subject (Te Ao Haka) has been added to the Approved Subjects list, for the 2021 and 2022 academic years, to accommodate the piloting of the standards.

More details of approved subjects and the approved standards within each subject can be found at

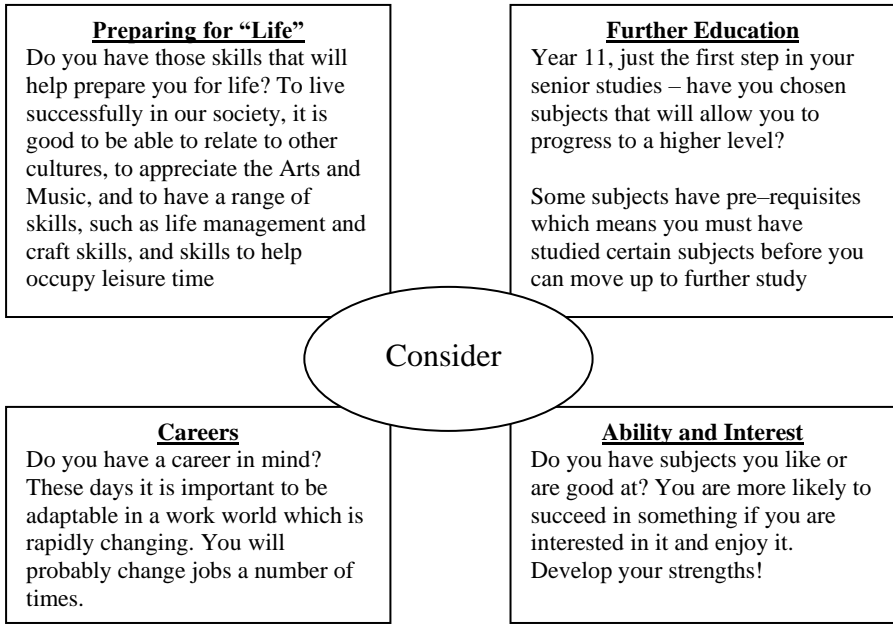
<http://www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/approved-subjects/>

Course Overview at Edgecumbe College

Learning Areas	Year 9	Year 10	Level 1	Level 2	Level 3
The Arts	Visual Arts	Visual Arts	Visual Arts	Visual Arts (Painting, Photography)	Visual Arts (Painting, Design, Photography Print, Sculpture)
	Māori Performing Arts	Māori Performing Arts	Māori Performing Arts	Māori Performing Arts	Māori Performing Arts
	Music	Music	Music	Music	Music
English	English	English	English	English	English
				Literacy and Com.	Literacy and Com.
Languages	Te Reo Māori	Te Reo Māori	Other Languages*	Other languages*	Other languages*
			Te Reo Māori	Te Reo Māori	Te Reo Māori
Health and Physical Education	Physical Education & Health	Physical Education & Health	Physical Education	Physical Education	Physical Education
Mathematics and Statistics	Mathematics	Mathematics	Mathematics	Mathematics	Mathematics
Science	Science	Science	Science Applied Science	Combined Science Environment and Sustainability Biology * Chemistry * Physics *	Biology * Chemistry * Physics *
	Horticulture	Agriculture & Horticulture Science	Agriculture & Horticulture Science	Agriculture & Horticulture Science	
Social Science	Social Studies	Social Studies	Geography History	Geography History Tourism	Geography History Tourism
Technology	Design and Visual Communication	Design and Visual Communication	Design and Visual Communication	Design and Visual Communication	Design and Visual Communication
	Digital Technologies	Digital Technologies	Information and Communication	Information and Communication	Information and Communication
	Food Technology	Food Technology	Hospitality	Hospitality	Hospitality
	Mechanical Engineering	Mechanical Engineering	Mechanical Engineering	Mechanical Engineering	Mechanical Engineering
	Technology Wood	Technology Wood	Building and Construction	Building and Construction	Building and Construction
Vocational			Gateway	Gateway	Gateway
			Star Courses	Star Courses	Star Courses
			Trades Academy	Trades Academy	Trades Academy

Note: * By “Volcanics” online tutoring

WHAT TO CONSIDER WHEN CHOOSING A SUBJECT



Mathematics

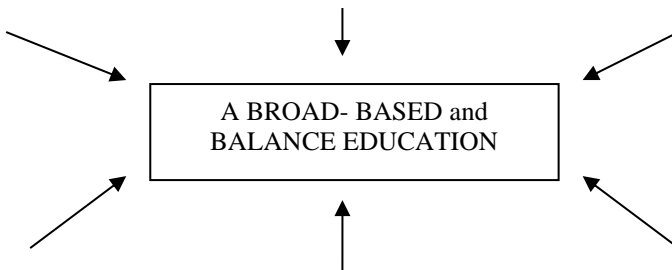
A Maths course is compulsory for all Year 11 students

English

An English course is compulsory for all Year 11 students

Sciences

A Science course is strongly recommended for all Year 11 students



Humanities

These subjects such as History and Geography emphasises understanding “people” and focus on skills related to communicating better with others – an important skill in our society

Technology/Computer skills

Critical thinking, creativity and computer literacy are key skills in the workforce

Career choice/Interest

If you are keen on following a particular career path or want to develop a particular interest, then certain subjects may be important for this

COURSE SELECTION

You must study six full year courses/subjects

In Year 11 English and Mathematics are compulsory. The appropriate English and Mathematics courses will be selected for you based on your Year 10 work and results.

As well as English and Mathematics you can **choose 4 other subjects *plus one "backup"***.

Your selection will be checked by the HOD of each subject, so make sure you have checked the pre-requisites for each subject/level from the course booklet. If in doubt, talk to your subject teacher, Kaiārahi or Kaitiaki.

Codes used in the course selection information

AS – Achievement Standard

US - Unit Standard

I/E - indicates if the standard is internally (I) or externally (E) assessed.

L/N - indicates if the standard counts toward Level 1 Literacy (L) or Numeracy (N).

TIC – Teacher in charge

HOD- Head of Department

Endorsement – this indicates if a subject Achieved, Merit or Excellence endorsement can be achieved from the course

Vocational Pathways

C.I - Construction and Infrastructure

C.R - Creative Industries

M.T - Manufacturing and Technology

P.I - Primary Industries

S.I - Services Industries

S.C - Social and Community Services

Visual Arts 1 (1ART)

Description Students work on a personal theme with an emphasis on drawing and painting. Printing and Art research are also required, leading towards completion of folios and other Achievement Standards.

Assessment A number of internal assessments are available. These play a supporting role to the folio which is externally assessed.

Pre-requisites Successful completion of the year 10 Art Course or HOD approval (Mr. Folker).

Leads on to NCEA Level 2 Art (2ART) at Level 2. Independent creative thinking.

Endorsement Available.

Standards this course may cover.

Title	Standard	I/E	Credit	I/N	Vocational Pathways			
					C	S		
Demonstrate understanding of art works from a Maori and another culture context using art terminology	AS90913	I	4		▲	▲		
Use drawing methods and skills for recording information using wet and dry materials	AS90914	I	4		▲			
Use drawing conventions to develop work in more than one field of practice	AS90915	I	6		▲			
Produce a body of work informed by established practice, which develops ideas, using a range of media	AS90916	E	12		▲			
Produce a finished work that demonstrates skills appropriate to cultural conventions	AS90917	I	4		▲			

Reviewed July 2021

Possible career pathways

Advertising, Film/TV, Media Productions, Photographer.

“Logic will get you from A to B. Imagination will take you everywhere.”

Albert Einstein

Māori Performing Arts 1 (1MPA)

Description	Course includes knowledge of tikanga, performance skills, research and costume ensemble.
Assessment	Internally assessed during the year. The Unit Standards in the course can be achieved at Achieve, Merit or Excellence grades.
Pre-requisites	HOD Approval (Mr. Hakiaha)
Leads on to	Level 2 Māori Performing Arts (2MPA).
Endorsement	Available.

Standards this course may cover.

Title	Standard	I/E	Credit	L/N	Vocational Pathways			
					C R	S I		
Demonstrate performance components of Māori performing arts	US22752	I	3		▲			
Demonstrate knowledge of people associated with Māori performing arts	US22753	I	3		▲			
Demonstrate knowledge of the origins of Māori performing arts	US22754	I	4		▲			
Demonstrate knowledge of a Māori performing arts costume ensemble	US22755	I	3		▲			
Demonstrate knowledge of influencing factors in the historical development of Māori performing arts (Level 3)	US22757	I	6					

Reviewed July 2021

Possible career pathways

Tour Guide, Teacher/Tutor, Tourism

Music Studies 1 (1MUS)

- Description** The course includes Performance, Composition, and Music Knowledge.
- Assessment** Internal assessment during the year. There is an option of an external exam at the end of the year
- Pre-requisites** Ability to perform on a solo instrument (voice is an instrument) at grade 2-3 level or as approved by TIC (Ms. Wilson).
- Leads on to** NCEA Level 2 Music (2MUS).
- Endorsement** Available

Standards this course may cover.

Title	Standard	I/E	Credit	L/N	Vocational Pathways			
					C	R		
Perform as a Soloist	AS91090	I	6		▲			
Perform as a Group	AS91091	I	4		▲			
Compose two original pieces of music	AS91092	I	6		▲			
Demonstrate aural and theoretical skills through transcription	AS91093	E	4		▲			
Demonstrate knowledge of two music works	AS91095	I	6	L	▲			
Demonstrate and apply knowledge of a music notation application	US32301	I	2					

Reviewed July 2022

Possible career pathways

Audio Engineer, Live Sound Design, Media Producer, Musician, Sound Technician.

English 1 (1ENG)

Description Learning English encompasses learning the language, learning through the language, and learning about the language. By engaging with text-based activities, students become increasingly skilled and sophisticated speakers and listeners, writers and readers, presenters and viewers.

Assessment Internal achievement standards.
External achievement standards will be assessed in an end of year three-hour exam.

Entry Successful completion of year 10 and department nomination.

Leads on to NCEA Level 2 English (2ENG)

Endorsement Available

Standards this course may cover.

Title	Standard	I/E	Credit	L/N	Vocational Pathways					
					C I	C R	M T	P I	S I	S C
Produce creative Writing	AS90052	I	3	L	▲	▲	▲	▲	▲	▲
Produce formal Writing	AS90053	I	3	L	▲	▲	▲	▲	▲	▲
Show understanding of specified aspect(s) of studied written text(s), using supporting evidence	AS90849	E	4	L	▲	▲	▲	▲	▲	▲
Show understanding of specified aspect(s) of studied visual or oral text(s), using supporting evidence.	AS90850	E	4	L	▲	▲	▲	▲	▲	▲
Show understanding of significant aspects of unfamiliar text (s) through close reading, using supporting evidence.	AS90851	E	4	L	▲	▲	▲	▲	▲	▲
Explain significant connection(s) across texts, using supporting evidence.	AS90852	I	4	L	▲	▲	▲	▲	▲	▲
Formal personal responses to independently read texts, supported by evidence	AS90854	I	4	L	▲	▲	▲	▲	▲	▲
Create a visual text	AS90855	I	3	L	▲	▲	▲	▲	▲	▲

Reviewed July 2022

Note: Expectation that all students will attempt at least **ONE** external standard at the end of the year.

Possible career pathways: Actor, Author, Copywriter, Editor, Journalist, Teacher.

Te Reo Māori 1 (1MAO)

Description	Comprises of internal and external components covering the skills of reading, writing, speaking and listening.
Assessment	Two internal assessments will take place during the year. External Achievement Standards will be assessed in an end of year three-hour exam. A Unit Standard may also be available.
Pre-requisites	Successfully completion of the year 10 Te Reo Māori course or HOD approval (Mr. Hakiaha).
Leads on to	NCEA Level 2 Te Reo Māori (2MAO)
Endorsement	Available

Standards this course may cover.

Title	Standard	I/E	Credit	L/N	Vocational Pathways			
					C R	P I	S I	S C
Whakarongo i te reo o tona ao	AS91085	I	6	L	▲	▲	▲	▲
Korero kia whakamahi i te reo o tona ao	AS91086	I	6	L	▲	▲	▲	▲
Waihanga tuhinga i te reo tona ao	AS91089	I	6	L	▲	▲	▲	▲
Paniu kia mohio ki te reo o tona ao	AS91087	E	6	L	▲	▲	▲	▲
Tuhi i te reo o tōna ao	US91088	E	6	L	▲	▲	▲	▲

Reviewed July 2021

Possible career pathways

Curator, Editor, Health Promotor, Fisheries Officer, Journalist, TV/Radio Presenter.

Physical Education 1 (1PED)

Description Developing foundation knowledge, skills and understanding of Physical Education and Health. Students must complete all theory and practical components in Achievement Standards based on physical activity and hauora/wellbeing, structure and function of the body, sports education, skill learning and qualities of movement, and outdoor education.

Assessment A range of theory and practical internal assessment tasks will take place during the year.

Pre-requisites Full participation and completion of **all** Year 9 & 10 Physical Education and Health units and/or HOD approval (Ms. Barnes)

Leads on to NCEA Level 2 Physical Education (2PED)

Endorsement Available

Standards this course may cover.

Title	Standard	I/E	Credit	I/N	Vocational Pathways			
					C R	P I	S I	S C
Participate in a variety of physical activities and explain factors that influence own participation	AS90962	I	5		▲		▲	▲
Describe the function of the body as it relates to the performance of physical activity	AS90963	I	5	L	▲		▲	▲
Demonstrate quality movement in the performance of a physical activity.	AS90964	I	3		▲		▲	▲
Demonstrate strategies to improve the performance of a physical activity and describe the outcomes.	AS90967	I	3	L	▲		▲	▲
Demonstrate and describe responsible behaviour for safety during outdoor education activities	AS90968	I	3	L			▲	▲
Take purposeful actions to assist others to participate in physical activity	AS90969	I	2		▲		▲	▲

Reviewed July 2022

Possible career pathways

Physiotherapy, Sport Science, Education, Fitness Industry, Sport & Physical Activity Services.

Mathematics 1 (1MAT)

Description This course is primarily composed of Unit Standards and is suited to students who would find it difficult to gain Level 1 Numeracy by completing Achievement Standards. It aims to provide students the opportunity to gain competence in number skills applied to everyday contexts.

The three Numeracy Unit Standards offer 10 numeracy credits. A four credit Achievement Standard will be offered on completion of the Unit Standards. The course offers a total of 14 NCEA credits.

Assessment All the Unit Standards are internally assessed through the course of the year. There will be no examination at the end of the year.

Pre-requisites Entry by department nomination.

Leads on to NCEA Level 2 Applied Mathematics (2MAP).

Endorsement Not available

Standards this course may cover.

Title	Standard	I/E	Credit	L/N	Vocational Pathways					
					C I	C R	M T	P I	S I	S C
Number – Use number to solve problems	US26623	I	4	N						
Measurement – Use measurement to solve problems	US26627	I	3	N						
Statistics – Interpret statistical information in context	US26626	I	3	N						
1.1 Apply numeric reasoning in solving problems	AS91026	I	4	N	▲	▲	▲	▲	▲	▲
Other standards may be offered at the discretion of the teacher										

Reviewed July 2022

Possible career pathways: Any career that requires a general proficiency in Mathematics.

Mathematics 1 (1MAX)

Description This course aims to prepare students for Y12 Mathematics. It deals with statistical concepts as they relate to everyday contexts and various mathematical approaches to solving real life problems. It is an achievement standards course that draws from a selected range of level 1 Mathematics standards. The course will appeal to students wanting to enter careers in the field of Science, Social Science, Engineering and Medicine but at the same time will appeal to the student who wants to achieve a better understanding of the world around them.

Assessment A range of internal achievement standards will be assessed during the year. The two External Achievement Standards will be assessed in an end of year exam of up to 3 hours. No unit standards will be offered.

Pre-requisites Students must have demonstrated the understanding and work ethic required for studying at this level. Entry by department nomination.

Leads on to Level 2 Mathematics (2MAT)

Endorsement Available

Standards this course may cover.

Title	Standard	I/E	Credit	L/N	Vocational Pathways					
					C I	C R	M T	P I	S I	S C
1.1 Apply numeric reasoning in solving problems	AS91026	I	4	N	▲	▲	▲	▲	▲	▲
1.2 Apply algebraic procedures in solving problems	AS91027	E	4	N	▲	▲	▲	▲	▲	▲
1.3 Investigate relationships between tables, equations and graphs	AS91028	E	4	N	▲	▲	▲	▲	▲	
1.4 Apply linear algebra in solving problems	AS91029	I	3	N	▲	▲	▲	▲	▲	▲
1.10 Investigate a given multivariate data set using the statistical enquiry cycle	AS91035	I	4	L N	▲		▲	▲	▲	▲
1.11 Investigate multivariate numerical data using the statistical enquiry cycle	AS91036	I	4	L N		▲		▲	▲	▲
1.12 Demonstrate an understanding of chance & data	AS91037	E	3	N		▲		▲	▲	▲

Reviewed July 2021

Possible career pathways: Architect, Engineer, Finance Manager, Market Research Analyst, Quantity Surveyor, Surveyor, Statistician.

Agricultural and Horticultural Science (1AHS)

Description This course will develop students' knowledge of a range of primary industries, employment opportunities and the requirements of individual who work in these industries.

Students will learn the skills involved in plant propagation and plant maintenance. The course will have a strong emphasis on practical skills.

Assessment Internally assessed Unit Standards

Pre-requisites Successful completion of Year 10 Agriculture and Horticultural Science (10AHS) or Year 10 Science. Otherwise HOD approval (Mrs. Jackson) is required.

Leads on to Level 2 Agriculture and Horticultural Science (2AHS) and National certificates in Agriculture or Horticulture (Level 2).

Endorsement Not available

Standards this course may cover.

Title	Standard	I/E	Credit	I/N	Vocational Pathways			
					C I	C R	P I	S I
Prepare and sow outdoor seedbeds manually	US1	I	5				▲	
Identify containers, materials, plants and tools used in plant propagation	US23782	I	2				▲	
Demonstrate knowledge of te whanau marama	US15980	I	2			▲		
Demonstrate knowledge of the NZ Primary sectors and industries	US29633	I	4				●	
Demonstrate knowledge of legal requirements and hazards and associated with tractor use	US19044	I	3				●	
Demonstrate knowledge of basic wheel tractor driving on flat ground under close supervision	US27608	I	3				▲	
Quad bike riding skills	US27602	I	3				▲	
Demonstrate knowledge of operation of Quad bike (Level 2)	US24557	I	3				●	

Reviewed July 2022

Possible career pathways: Orchard worker/manager, Dairy farmer/manager, Farmer/Farm manager, Farm hand/Shepard/Stock person, Packhouse worker/Coolstore manager, Fencer, Shearer, Arborist, Crop farmer/manager, Forestry worker.

Applied Science 1 (1SCA)

Science is both a body of knowledge and a logical process. Science is a journey of discovery that allows students to link isolated facts into coherent and comprehensive understandings of the natural world.

Science is useful. The knowledge generated by science is both powerful and reliable. It is used to develop new technologies, treat diseases, and solve many other types of problems.

Science is ongoing. Students will learn the language of Science; develop an understanding of their natural world within contexts of their daily lives, through research and enquiry

Description A course for students who require a science subject for their future career prospects but may not wish to pursue an individual Level 2 Biology, Chemistry or Physics course the following year.

Assessment The course is based around internally assessed Achievement Standards.

Pre-requisites Successful completion of a Year 10 Science program.

Leads on to Level 2 Combined Science (2SCI) or Level 2 Environment and Sustainability (2EAS)

Endorsement Not Available.

Standards this course may cover.

Title	Standard	I/E	Credit	L/N	Vocational Pathways					
					C I	C R	M T	P I	S I	S C
Report on a biological issue	AS90926	I	3	L				▲		
Investigate a chemical reaction with direction	AS90930	I	4	N	▲		▲	▲	▲	
Carry out a practical physical investigation that leads to a linear mathematical relationship	AS90935	I	4	N	▲	▲	▲	▲		▲
Investigate life processes and environmental factors that affect them	AS90949	I	4			▲		▲	▲	▲
Demonstrate the understanding of the effects of astronomical cycles on planet earth	AS90954	I	4	L		▲		▲		

Reviewed July 2022

Possible career pathways: Any career where the knowledge of the processes of scientific investigation is important.

Science 1 (1SCI)

Science is both a body of knowledge and a logical process. Science is a journey of discovery that allows students to link isolated facts into coherent and comprehensive understandings of the natural world.

Science is useful. The knowledge generated by science is both powerful and reliable. It is used to develop new technologies, treat diseases, and solve many other types of problems.

Science is ongoing. Students will learn the language of Science; develop an understanding of their natural world within contexts of their daily lives, through research and enquiry

Description This course is designed for students who require a science subject because they intend to pursue a Level 2 science course the following year.

Assessment Internal Achievement Standards and selected External Achievement Standards.

Pre-requisites Successful completion of a Year 10 Science or HOD approval (Mrs. Hoebregs).

Leads on to Level 2 Combined Science (2SCI) or Level 2 Environment and Sustainability (2EAS).
Note: If your career options require you to do NCEA Level 2 Biology (2BIO), Chemistry (2CHE) or Physics (2PHY), these options could be available.

Endorsement Available

Standards this course may cover.

Title	Standard	I/E	Credit	L/N	Vocational Pathways					
					C I	C R	M T	P I	S I	S C
Investigate a chemical reaction with direction	AS90930	I	4	N	▲		▲	▲	▲	
Carry out a practical physical investigation that leads to a linear mathematical relationship	AS90935	I	4	N	▲	▲	▲	▲		▲
Demonstrate understanding of aspects of mechanics	AS90940	E	4	N	▲	▲	▲	▲	▲	▲
Demonstrate understanding of aspects of acids and bases	AS90944	E	4	L	▲	▲	▲	▲		
Biological ideas relating to genetic variation	AS90948	E	4	L			▲	▲		▲

Reviewed July 2022

Possible career pathways

Biotechnologist, Biomedical Engineer, Civil Engineer, Dentistry, Medicine, Forensic Sciences, Nurse, Optician, Pest Controller, Pharmacist, Physiotherapist, Radiologist, Veterinarian, Veterinary Nurse, Agricultural Industries.

Geography 1 (1GEO)

Geography at Level 1 is the study of the environment as the home of people. It interprets the world and how it changes over time: past, present, and future. Students explore the relationships and connections between people in natural and cultural environments.

Geography students investigate the ways in which features are arranged on the earth's surface and describe and explain the patterns and processes that create them. Students will become skilled in thinking spatially and using maps, visual images and new technologies, including geographical information systems (GIS), to obtain, present and analyse information.

Assessment A range of internal assessment tasks will take place during the year. External Achievement Standards will be assessed in an end of year three-hour exam.

Pre-requisites Open Entry – demonstrated good learning habits are essential.

Leads on to NCEA Level 2 Geography (2GEO)

Endorsement Available

Standards this course may cover.

Title	Standard	I/E	Credit	L/N	Vocational Pathways				
					C I	C R	P I	S I	S C
Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s).	AS91007	E	4	L			▲	▲	
Demonstrate geographic understanding of population concepts.	AS91008	E	4	L		▲		▲	▲
Demonstrate geographic understanding of the sustainable use of an environment.	AS91009	I	3	L			▲	▲	
Apply concepts and basic geographic skills to demonstrate understanding of a given environment.	AS91010	E	4	N	▲	▲	▲	▲	
Conduct geographic research, with direction.	AS91011	I	4	N			▲	▲	
Describe aspects of a contemporary New Zealand geographic issue.	AS91012	I	3	L		▲		▲	▲
Describe aspects of a geographic topic at a global scale.	AS91013	I	3	L		▲	▲	▲	
Apply spatial analysis to solve a Geographic Problem.	AS91014	I	3				▲	▲	

Reviewed July 2022

Possible career pathways: Cartographer, Consultant, Environmental Manager, Immigration Policy Analyst, Researcher, Urban or Regional Planner, District and Regional Councils, Energy and Water Management, Environmental Consultancies, Mining and Resource Companies, Ministry for the Environment, New Zealand Planning Institute.

History 1 (1HIS)

History at Level 1 fires student curiosity and imagination, by engaging with it at personal, local and international levels. History invites students to ask, and helps them answer today’s questions by engaging with the past and speculating on possible futures. It allows them to investigate the histories of their communities, Aotearoa New Zealand, and the wider world. Students will be presented with the dilemmas, choices, and beliefs of people in the past, and will also make connections with the wider world as they develop their own identities and sense of place.

Assessment A range of internal assessment tasks will take place during the year. External Achievement Standards will be assessed in an end of year three-hour exam.

Pre-requisites Open Entry – demonstrated good learning habits are essential.

Leads on to NCEA Level 2 History (2HIS)

Endorsement Available

Standards this course may cover.

Title	Standard	I/E	Credit	L/N	Vocational Pathways		
					C R	S I	S C
Carry out an investigation of an historical event, or place, of significance to New Zealanders.	AS91001	I	4	L	▲	▲	▲
Demonstrate understanding of an historical event, or place, of significance to New Zealanders.	AS91002	I	4	L	▲	▲	
Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders.	AS91004	I	4	L	▲	▲	▲
Describe the causes and consequences of an historical event.	AS91005	E	4	L	▲		
Describe how a significant event affected New Zealand society.	AS91006	E	4	L	▲		

Reviewed July 2022

Possible career pathways: Legal Professions, Library, Information and Archivist careers, Politics, Publishing, Journalism, Media and Writing, Business and Commerce, Public Sector Administration, the charity and voluntary sectors, Museum Curator, History Teacher.

Hospitality 1 (1HOS)

Description This is an industry pre-training course, to prepare for work or further education in the hospitality industry. It is introducing students to commercial cookery. They will be working in a simulated commercial kitchen and learning skills for work within the industry front and back of house.

Pre-requisite HOD approval (Mrs. Esterhuizen).

Leads on to NCEA Level 2 Hospitality (2HOS)

Work Assessments Unit Standard assessments must be passed in both the theory and practical (twice) to Achieve. Students also have more hands-on practical cookery experience. Students will host a Mocktail evening where they invite family.

Endorsement Not available

Standards this course may cover.

Title	Standard	I/E	Credit	L/N	Vocational Pathways			
					S	I		
Prepare and present meat in the hospitality industry	US15900	I	4		▲			
Prepare and present fruit and vegetables in the hospitality industry	US15901	I	3		▲			
Prepare and present hot finger food in the hospitality industry	US15919	I	2		▲			
Prepare and present sauce and soup in the hospitality industry	US15920	I	2		▲			
Prepare and cook a cake, a sponge and a batch of scones in the hospitality industry	US15921	I	3		▲			
Identify Career Pathways in the hospitality industry	US21058	I	2		▲			
Prepare and present egg and cheese dishes in the hospitality industry	US19770	I	2		▲			
Demonstrate knowledge of knife care, use, storage, and carrying for the hospitality industry	US21059	I	2		▲			

Reviewed July 2022

Possible career pathways

Cookery apprenticeship, cookery courses at polytechnic, work in a café or restaurant.

Design and Visual Communication 1 (1DVC)

Description This course develops the student’s skill level and understanding of the design process, instrumental drawing, computer aided design and a range of modes and media techniques used in graphic communication.

Assessment A range of internal assessment tasks will take place during the year.
Work for External Achievement Standards will be sent off for external moderation at the beginning of Term 4.

Pre-requisites Successful completion of the Year 10 DVC course and/or with TIC (Mr. Cannell) approval.

Leads on to NCEA Level 2 DVC (2DVC)

Endorsement Available

Standards this course may cover.

Title	Standard	I/E	Credit	L/N	Vocational Pathways			
					C I	C R	M T	
Produce freehand sketches that communicate design ideas.	AS 91063	E	3		▲	▲	▲	
Produce instrumental, multi-view working drawings to communicate design ideas.	AS 91064	E	3		▲	▲	▲	
Produce instrumental paraline drawings to communicate design ideas.	AS 91065	E	3		▲	▲	▲	
Use rendering techniques to communicate the form of design ideas.	AS 91066	I	3		▲	▲	▲	
Undertake development of design through graphics practice	AS 91068	I	6		▲	▲	▲	

Reviewed July 2022

Possible career pathways: Engineering, Architect, all other design areas including Interior design, Landscape design, Transport design, Town Planner, Graphic Artist, Building & Construction.

Technology Mechanical Engineering 1 (1TME)

Description The course is made up of Competenz ITO unit standards in Mechanical Engineering Technology. It encourages students to make design solutions using a variety of skills, materials and projects. It also includes skill building and skill development for careers in general engineering or related industries. This course can lead to a National Certificate in Mechanical Engineering Technology Level 1 if student obtains a total of 16 credits in other approved areas (English, Mathematics, Sciences) making a total of 40 credits.

Assessment A range of internal assessment tasks using ITO Unit Standards, will take place during the year.

Pre-requisites Successful completion of the Year 10 Technology Metal course or TIC approval (Mr. Folker).

Leads on to NCEA Level 2 Technology Mechanical Engineering 2 (2TMEA).

Endorsement Not available

Standards this course may cover.

Title	Standard	I/E	Credit	I/N	Vocational Pathways		
					C I	M T	P I
Demonstrate knowledge of safety practices	US 22926	I	2		▲	▲	
Demonstrate basic engineering workshop skills	US 22923	I	12		▲	▲	▲
Develop a simple product.	US 22924	I	10		▲	▲	
Measure using non-complex devices in an engineering workshop.	US 4433	I	2			▲	▲

Reviewed July 2021

Possible career pathways: Mechanical Engineer, Automotive Engineer, Welder, Sheetmetal worker, Machinist, Tool Maker

Technology Building and Construction 1 (1TBC)

Description This course is made up of Unit Standards. It encourages students to make design solutions using a variety of skills, materials and projects. It also includes skill building and skill development for careers in wood related industries. Students will be studying Building, Construction and Allied Trades Skills (BCATS) units of work.

Assessment A range of internal assessment tasks using Unit Standards will take place during the year.

Pre-requisites Successful completion of the Year 10 Technology Wood course or HOD approval (Mr. Cannell).

Leads on to NCEA Level 2 Technology Wood (2TBC).

Endorsement Not available

Standards this course may cover.

Title	Standard	I/E	Credit	L/N	Vocational Pathways		
					C I	M T	P I
Knowledge of and apply safe working practices	US 24352	I	2		▲		▲
Apply elementary workshop procedures and processes	US 24356	I	8		▲		
Additional Options							
Construction and mechanical technologies to implement basic procedures using resistant materials to make a specified product.	AS 91057	I	6		▲	▲	▲

Reviewed July 2022

Possible career pathways: Carpenter, Builder, Cabinet Maker, Boat Builder, Furniture Maker, Joiner

Information & Communications Technology 1 (1ICT)

Description This course enables students to achieve Level 1 credits and commence the National Certificate in Computing Level 2, (40 credits).

Assessment A range of internal assessment tasks will take place during the year. The course is individualised so students undertake assessments when the necessary pre-learning has taken place.

Pre-requisites Nil. See Ms.Villaluz for more information.

Leads on to Level 2 Information and Communication Technology (2ICT).

Endorsement Not available

Standards this course may cover.

Title	Standard	I/E	Credit	I/N	Vocational Pathways					
					C I	C R	M T	P I	S I	S C
Use computer technology to create and deliver a presentation from given content (MS PowerPoint)	US5946	I	3			▲	▲			
Investigate use of digital applications for leisure	US5943	I	2			▲				
Create a web page using a template	US18734	I	2			▲	▲			
Produce simple desktop published documents using templates	US2792	I	2		▲	▲	▲	▲		
Produce a spreadsheet from Instruction using supplied data (MSExcel)	US18743	I	2		▲	▲	▲	▲	▲	▲
Find information using the Internet	US18758	I	2		▲	▲	▲	▲	▲	▲
Develop a computer program using SCRATCH	AS91883	I	4			▲	▲			

Reviewed July 2022

Possible career pathways:

Business organisations, Computer Support Technician, Database/Systems Administrator, ICT Manager, Telecommunications Engineer/Technician

Gateway (1GTW)

Description Gateway is a work placement programme that enables students to experience an industry or job they are interested in. They also have the opportunity to complete unit standards relevant to the work placement.

Work experience is usually for between 6 -10 placement days. Sometimes the work experience and short courses may be outside school hours/holiday time due to the nature of the placement or to minimise the loss of learning time, otherwise it is generally during school hours.

Assessment Students are expected to earn 20 credits of work/life skills learning.

Pre-requisites Prior to acceptance on to a Gateway placement, the student will be interviewed and expected to have started to develop a career plan through their career portfolio on <https://mymahi.co.nz/>

A core of unit standards can be offered, some of which must be achieved before the student commences the work placement, such as interview preparation.

Short courses will also be offered during the year. These may include First Aid, Health & Safety, Leadership & Communication, Customer Service Award (Level 2).

For further information or to apply please see
– Mrs. N Anderson, Gateway Co-ordinator
Email: nan@edgescumbecollege.school.nz