Te Kura Tuarua o Horomaka ◆ Hillmorton High School

Inspiring academic excellence, leadership and a love of learning

Course Book

Level 2

2020

About NCEA

NCEA (National Certificate in Educational Achievement) is the qualification offered in Years 11 to 13 in almost all New Zealand high schools. It consists of three levels. NZQA (New Zealand Qualifications Authority) is the government agency that oversees this qualification.
A short video introducing NCEA is available via this link https://www.nzqa.govt.nz/ncea/understanding-ncea/how-ncea-works/video/

Level Two NCEA

Level Two NCEA is usually completed during Year 12, and is an extension of the Level One qualification. Once Level One is gained, students must successfully complete 60 or more Level Two credits to gain Level Two NCEA. In terms of having viable career opportunities beyond secondary school, Level Two NCEA is widely regarded as the minimum qualification for school leavers.

Level Three NCEA

Level Three NCEA is usually completed during Year 13 and builds upon Level Two NCEA. Once Level Two is gained, students must successfully complete 60 credits at Level Three to gain Level Three NCEA.

UNIVERSITY ENTRANCE (UE)

UE is an extension of Level Three NCEA, and provides direct entrance into most bachelor degree courses at NZ universities and polytechnics.
UE requires students to pass Level Three NCEA *including;*

- 14 credits in each of three *University Approved* subjects
- Five Reading credits (available from a range of specifically nominated Achievement Standards in a range of subjects)
- Five Writing credits (available from a range of specifically nominated Achievement Standards in a range of subjects)
- 10 Numeracy credits from Level One

UE Literacy

The five Reading and five Writing credits required for UE are referred to as *UE Literacy*. These are available through a few Level Two subjects (including English) and through several Level Three subjects.

Prerequisites for specialist bachelor degree courses (University & Polytechnic)

Some specialist bachelor degrees have additional Level Three requirements for entry. Eg. Engineering at the University of Canterbury requires students to have 14 credits in Mathematics with Calculus and 14 credits in Physics.

Many university courses specify one or more *Language Rich'* subjects at Year 13, indicating that well-developed English reading and writing skills are essential for success in these courses.

NCEA grades matter

Students intending to study at university are encouraged to gain the best grades possible during Year 12, as the NCEA grades gained at Level Two are often used by universities to allocate financial scholarships for tertiary study.

OTHER OPPORTUNITIES TO GAIN CREDITS FOR NCEA

STAR Courses

Throughout the year, students are invited to gain NCEA credits by participating in courses and experiences relevant to their career plan. These are provided by outside agencies including polytechnics, universities and private providers. There is no cost to the student. STAR courses are administered by Mrs Partel in the Careers Centre.

Gateway Programme (Level Two and Three)

The Gateway programme provides an opportunity for students to explore their career ideas through workplace experiences. Students will be placed in a suitable weekly work situation, while still continuing their high school education. Participants are required to complete work-related Standards from a Learning Plan which is aligned to their career pathway, their work placement and Industry Training Organisation requirements. As with STAR courses, there is no cost to the student. The Gateway programme is administered by Mrs Stanley in the Careers Centre.

THE CAREERS CENTRE

All Year 11 and 12 students receive at least one career planning interview. Year 13 students receive two. All students are encouraged to make contact if they have any questions about career planning at any time.

In addition to the STAR & Gateway programmes mentioned above, the Careers Centre offers a range of taster courses and experiences including visits to polytechnics and universities throughout the year. Students are expected and helped to explore career ideas while at school.

All Year 13 students attend a career meeting each week, where they will be exposed to presentations from university and polytechnic liaison teams, academics, industry representatives and employers.

All Year 12 and 13 students are accompanied to the annual Careers Expo at Horncastle Arena.

SELECTING YOUR COURSE FOR YEAR 12

Year 12 students can opt to have five subjects with four timetabled hours of study or six subjects without study. English is compulsory, but all other subjects are optional.

The choice of subjects in Year 12 can have an impact on what subjects can be studied at Year 13. Subjects studied in Year 13 have a direct influence on whether students can gain direct entry into university and polytechnic courses. It is therefore essential that students contemplating a university course discuss their selection with the Careers Advisor.

Full-year courses vs Semester (half-year) courses

Some Level Two subjects are offered as semester courses. Semester courses are identified by a red text box in the course description. In some cases a subject is offered as two semester courses, in which case students may choose to study one or both halves. There are some cases where completion of the first half-year course is a prerequisite for entry into the second half. This is detailed in the course description.

Full-year Level Two Courses

- Visual Arts
- Photography
- Business Studies
- Dance (Kanikani)
- Digital Skills
- Digital Technology
- Production and Performance
- English Connections
- English Creative
- English Non-fiction
- English Language Senior Course A
- Textiles Technology
- Japanese
- Spanish
- Music
- Te Reo Māori
- Outdoor Education
- Biology
- Chemistry
- Physics
- Automotive Engineering
- Design and Visual Communication
- Technology Engineering
- Technology Wood
- Directions Focus

Semester (half-year) Level Two Courses

- Accounting in Retail Practice
- Accounting Reports for Decision Making
- Food and Nutrition (A & B)
- Culinary Arts (A & B)
- Mainly External Maths and Stats (A & B)
- Mainly Internal Maths and Stats (A & B)
- Fully Internal Maths and Stats (A & B)
- Individual differences can be overcome
- Healthier minds, healthier people
- Dive Right In
- Coaching and Leadership
- Better than Before
- Performance Training
- Psychology
- Laboratory Science
- Environmental Science
- Myths and Mayhem
- Heroes and the Glory of Rome
- Geography - Exploring Aoraki
- Geographic Crime Investigations (CGI)
- History of Our Back Yard
- Good Morning Vietnam
- Introduction to Tourism & Travel
- Tourism - Impacts and Extension

What to consider when selecting Year 12 subjects

- Are there any prerequisites?
- Will I be able to maintain enthusiasm in this subject?
- Am I providing a pathway to further study at a higher level, at school and beyond?
- Do I have any career goals that require specific subjects in Year 12 or 13?
- For some subjects, there are course contribution costs. These are detailed in the course descriptions.

Please take time to read this coursebook carefully before selecting your subjects. Mr Nixon is the Careers Advisor. He is available to discuss your course selection, and identify any requirements or recommendations for study within the school and at tertiary level.

Timetable clashes

Every attempt is made to accommodate all subject combinations selected by students. Unfortunately, there are occasions when timetable clashes make some combinations impossible. When this happens, students will be consulted and guided in selecting an alternative subject combination.

Year 12 Course Selection 2020 - Summary

Students study five or six subjects to gain at least 60 credits for Level Two NCEA

Choose **five or six** full time equivalent subjects from the list above including English

This can include full year subjects, semester subjects or a combination of both

One full-time subject = Two semester subjects

Eg. Six full year subjects

Eg. Two full year subjects and 6 semester subjects (five full time equivalent subjects)

Eg. Five full year subjects and 2 semester subjects (six full time equivalent subjects)

Art

Visual Arts

Course type: Art

2ART	2	8	10	$70
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Visual Art	1Art or HOD approval

Contact: engc@hillmorton.school.nz

Full year course

This course explores ideas and techniques in painting by international artists.

Course components

- Develop your understanding of paint conventions and techniques
- Learn about traditional and contemporary Paint genres
- Explore your own creative ability through a self-led portfolio
- Expand your understanding of Artist models and idea development

Photography

Course type: Art

Course	Level	Int cr	Ext cr	Course contribution
2PHO	2	8	10	$80

Pathways	Entry requirements
L3 Photography	1Art or HOD approval

Contact: engc@hillmorton.school.nz

Full year course

This course explores the development of ideas and techniques in Digital Photography.

Course components

- Develop your understanding of photographic conventions and techniques
- Learn about traditional and contemporary Photographic genres
- Improve your own creative ability through a self-led portfolio
- Expand your understanding of Artist models and the process of idea development

Commerce

Accounting in Retail Practice

Course type: Commerce

2ACCa	2	10	0	$20
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L2 Accounting Reports for Decision Making	L1 NCEA including 14 Maths credits, or HOD approval

Contact: williame@hillmorton.school.nz

Semester course

This course provides accounting skills to support working in a retail store.

Course components

- Ever gone to KFC when they have run out of chicken? Find out how businesses can minimise the chance of running out of important stock
- Enjoy going through the Sales racks? Learn how businesses manage finances when they have too much stock that is not selling
- Want to buy that great gadget now and pay later? Discover how businesses can ensure selling on credit still means getting paid

Accounting Reports for Decision Making

Course type: Commerce

2ACCb	2	0	9	$20
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Accounting	2ACCa

Contact: williame@hillmorton.school.nz

Semester course

This course provides accounting skills required to create and understand Business Reports.

Course components

- Create financial statements to show and calculate useful information like Profit and the Net Worth for a business
- Analyse financial statements so that wise investment and management decisions can be made
- Interpret financial statements to learn if the business is performing well

Business Studies

Course type: Commerce

Course	Level	Int cr	Ext cr	Course contribution
2COM	2	17	0	$40

Pathways	Entry requirements
L3 Commerce	None, although L1 Social Enterprise or L1 Commerce is an advantage

Contact: williame@hillmorton.school.nz

Full year course

This course offers the chance to create and run your own business.

Course components

- Investigate successful business and innovation examples
- Develop your own innovative thinking skills to come up with business ideas for your team
- Plan, design, produce, market and sell your groups chosen product as part of a three-term project
- Present your business plan at a Dragons Den event

Dance

Dance (Kanikani)

Course type: Dance

2DAN	2	18	4	$40
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Dance	HOD Approval

Contact: frankss@hillmorton.school.nz

Full year course

This course extends dance techniques in jazz, contemporary and hip-hop.

Course components

- Prepare a repertoire of dances for performance
- Develop a variety of dance techniques
- Create solo and group work

Digital Technology

Digital Skills

Course type: Digital Technology

2DTS	2	19	0	$10
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Digital Skills Business Administration jobs	HOD Approval

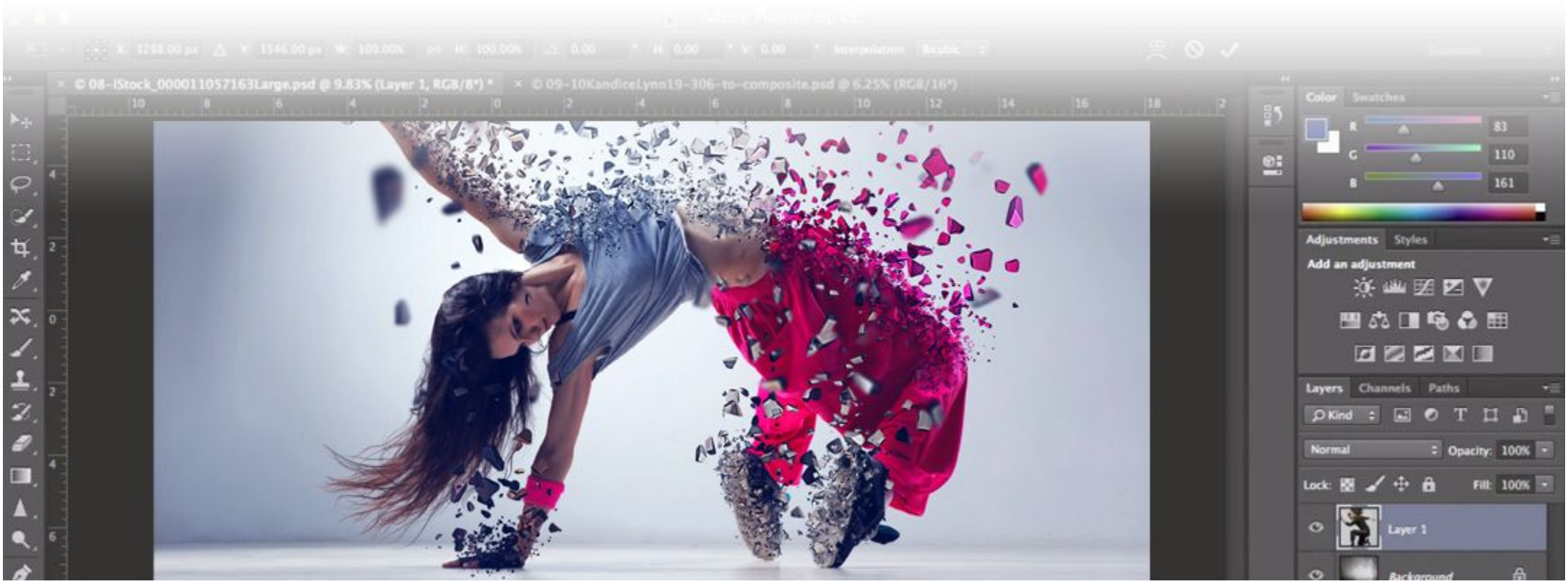
Contact: begleym@hillmorton.school.nz

Full year course

This course is for those who want to learn the skills needed to create digital products.

Course components

- Create digital images, using Photoshop image editing software
- Create a series of digital products such as a presentation and desktop publishing
- Plan and develop a basic computer program



Digital Technology

Course type: Digital Technology

2DTY	2	17	3	$10
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Digital Technology	L1 Digital Technology or HOD Approval

Contact: begleym@hillmorton.school.nz

Full year course

This course is designed for those who want to learn about the technological processes involved in creating digital outcomes.

Course components

- Develop an advanced database and present data
- Develop and create websites using advanced tools in HTML and Photoshop image editing software
- Present a summary of developing a digital outcome

Drama

Production and Performance

Course type: Drama

Course	Level	Int cr	Ext cr	Course contribution
2DRA	2	18	4	$40

Pathways	Entry requirements
L3 Drama	L1 Drama or HOD approval

Contact: mcgrathd@hillmorton.school.nz

Full year course

This course is for students who want to develop their theatre making and performance skills.

Course components

- Learn how to create an original piece of theatre for a specific audience
- Develop and perform a significant role in a major Senior Production
- Prepare, rehearse and perform in 'Dramatality'
- Research and explore a distinct style of theatre

English

English - Connections

Course type: English

2ECN	2	14	0	$0
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
Literacy skills for the workplace Tertiary study 2ENF (for those wanting to gain UE Literacy) 2ECR (for those wanting to gain UE Literacy)	L1 Literacy or HOD approval

Contact: streetc@hillmorton.school.nz

Full year course

This course develops core reading, writing and speaking skills for connecting with people and ideas.

Course components

- Learn reading strategies that help you connect with and understand the key ideas in texts
- Develop essential writing and notetaking skills
- Explore your own identity and lineage and discover ways to manage stress and improve well-being
- Take up the challenge of University Entrance literacy standards, if appropriate

English - Creative

Course type: English

Course	Level	Int cr	Ext cr	Course contribution
2ECR	2	16	8	$0

Pathways	Entry requirements
L3 English Tertiary study (includes University Entrance Literacy)	10 L1 English credits

Contact: hottera@hillmorton.school.nz

Full year course

This course explores how English takes us beyond our own world into fictional worlds.

Course components

- Explore creative written texts - from poetry to science fiction, historical fiction to fantasy
- Appreciate how directors create successful feature films
- Develop as a writer through participating in a creative writing workshop
- Choose to present either a speech or a static visual presentation

English Language

Course type: English

Course	Level	Int cr	Ext cr	Course contribution
2ELL	2	20	0	$0

Pathways	Entry requirements
L3 NCEA Contributes to NZ Certificate in English Language Tertiary study at Ara	English must not be your first language Entry is with HOD approval

Contact: bennettk@hillmorton.school.nz

Full year course

The course covers skills in listening, speaking, reading and writing to develop students' English, and support their future studies.

Course components

- Develop conversation and presentation skills
- Experience English in text and media contexts
- Use written English for different purposes

English Non-fiction

Course type: English

2ENF	2	16	8	$0
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 English Tertiary study (includes University Entrance Literacy)	10 L1 English credits

Contact: hottera@hillmorton.school.nz

Full year course

This course explores how English captures real experiences, people and events in the world today.

Course components

- Explore nonfiction written texts - biographies, articles, reviews and more
- Unpack how your understanding of the world is influenced by film and media
- Develop as a writer through participating in a nonfiction writing workshop
- Choose to present either a speech or a static visual presentation

Food and Textiles

Food and Nutrition (Sem A)

Course type: Food and Textiles

Course	Level	Int cr	Ext cr	Course contribution
2FDNa	2	10	0	$80

Pathways	Entry requirements
L3 Food and Nutrition	L1 Food and Nutrition or HOD approval

This course is for those interested in sustainable food related practices and sports nutrition.

Course components

- Evaluate a sustainable food related practice (metal straws, preserving, growing your own food)
- Demonstrate preparation of espresso beverages using a commercial machine
- Develop strategies to support athletes' specific food needs

Contact: omerig@hillmorton.school.nz

Semester course

Food and Nutrition (Sem B)

Course type: Food and Textiles

Course	Level	Int cr	Ext cr	Course contribution
2FDNb	2	5	4	$80

Pathways	Entry requirements
L3 Food and Nutrition	L1 Food and Nutrition or HOD approval

This course is for those who want to learn about how attitudes towards food impacts health and wellbeing.

Course components

- Analyse belief, attitude and practises related to hunger in New Zealand
- Analyse the relationship between wellbeing, food choices and determinants of health

Contact: omerig@hillmorton.school.nz

Semester course

Culinary Arts (Sem A)

Course type: Food and Textiles

Course	Level	Int cr	Ext cr	Course contribution
2CLNa	2	10	0	$80

Pathways	Entry requirements
L3 Culinary Arts Polytechnic courses in: - Hospitality - Cookery - Beverages - Cheffing - Catering	None

Contact: brownh@hillmorton.school.nz

Semester course

This course expands on commercial cookery skills and functions planning.

Course components

- Expand on commercial cookery skills
- Learn food photography and food styling
- Visit commercial food outlets
- Plan functions menus
- Develop advanced food safety skills

Culinary Arts (Sem B)

Course type: Food and Textiles

2CLNb	2	14	0	$80
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Culinary Arts Polytechnic courses in: - Hospitality - Cookery - Beverages - Cheffing - Catering	None

This course introduces students to front of house hospitality industry service skills.

Course components

- Learn entry level front of house skills
- Participate in real world assessment functions
- Plan menus to serve to real customers
- Develop hospitality management skills
- Acquire entry level Beverages skills

Contact: brownh@hillmorton.school.nz

Semester course

Textiles Technology

Course type: Food and Textiles

Course	Level	Int cr	Ext cr	Course contribution
2TEX	2	16	4	$60

Pathways	Entry requirements
L3 Textiles Technology	1TEX or HOD approval

Contact: napolitanoe@hillmorton.school.nz

Full year course

This course offers a chance to learn advanced sewing procedures and see a product through from prototype to finished garment.

Course components

- Analyse planning tools
- Build your sewing skills with advanced procedures
- Make and test a prototype
- Travel to WOW to see amazing Wearable Art

Learning Languages

Japanese

Course type: Learning Languages

2JPN	2	14	10	$30
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Japanese	L1 Japanese

Contact: leey@hillmorton.school.nz

Full year course

This course is for students who want to study Japanese language and culture in greater depth.

Course components

- Improve listening, speaking, reading and writing skills in Japanese
- Expand your knowledge of Japanese culture
- Participate in the school's biennial trip to Japan (optional)

Spanish

Course type: Learning Languages

Course	Level	Int cr	Ext cr	Course contribution
2SPN	2	14	10	$30

Pathways	Entry requirements
L3 Spanish	L1 Spanish

Contact: huntp@hillmorton.school.nz

Full year course

This course is for those who want to extend their Spanish language comprehension and understanding of Spanish-speaking cultures.

Course components

- Improve listening, speaking, reading and writing skills in Spanish
- Expand your knowledge of Spanish-speaking cultures
- Participate in the school's biennial trip to Spain (optional)

Mathematics and Statistics

Mainly External Maths and Stats (Sem A)

Course type: Mathematics and Statistics

Course	Level	Int cr	Ext cr	Course contribution
2MAEa	2	7	4	$20

Pathways	Entry requirements
L3 Mathematics with Calculus L3 Statistics Required course for students considering studying engineering at university	Must have gained 14 credits or more in 1MAE, including achievement in algebra and graphs OR successfully applied for an exemption.

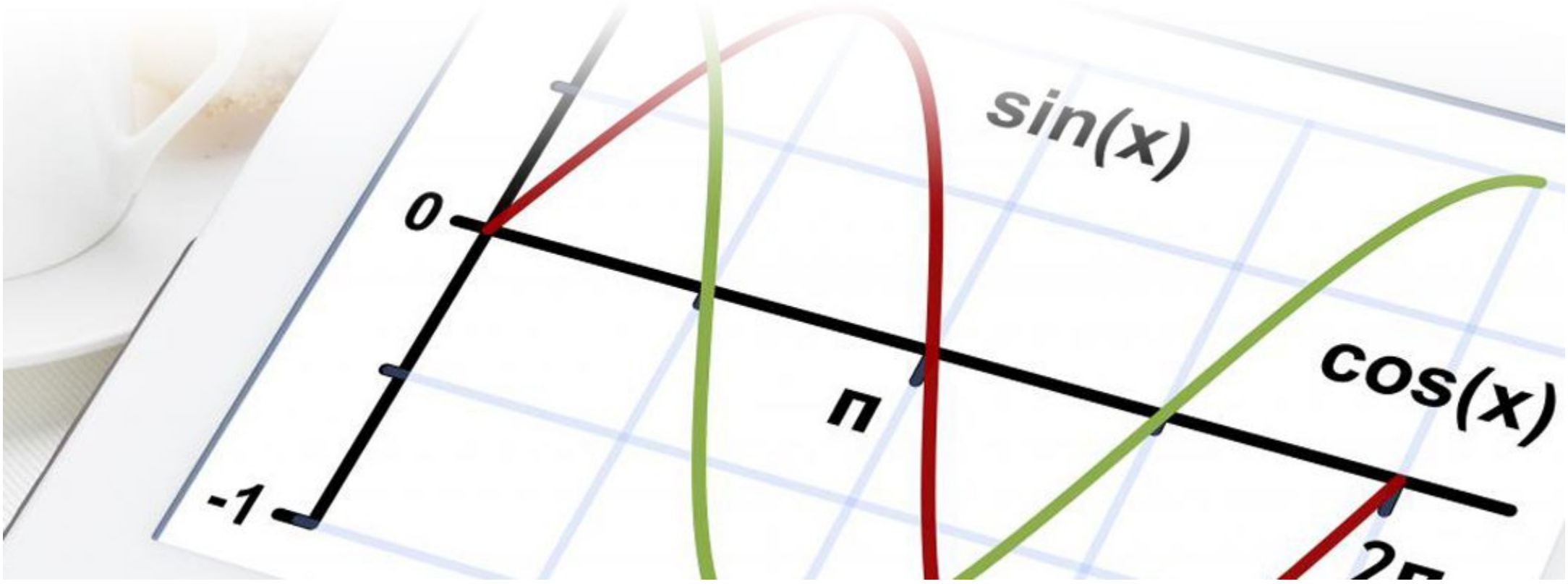
Contact: galwayr@hillmorton.school.nz

Semester course

This course is for those who do well in Maths and for specific jobs needing Maths.

Course components

- Solve and analyse a variety of problems using algebra
- Solve design problems involving areas by applying mathematical formulae
- Analyse data to make conclusions about a population



Mainly External Maths and Stats (Sem B)

Course type: Mathematics and Statistics

2MAEb	2	4	9	$0
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Mathematics with Calculus L3 Statistics Required course for students considering studying engineering at university	Must have passed the first semester OR successfully applied for an HOD exemption.

Contact: galwayr@hillmorton.school.nz

Semester course

This course is for those who do well in Maths and for specific jobs needing Maths.

Course components

- Develop and apply probability concepts and distributions to solve problems
- Discover the foundations of calculus and apply these to real world problems
- Explore the relationships between graphs and equations in real world problems

Mainly Internal Maths and Stats (Sem A)

Course type: Mathematics and Statistics

2MAIa	2	9	0	$0
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Statistics L3 Mathematics and Statistics	Must have gained 14 credits from Level 1 Maths and Stats and attempted Probability OR successfully applied for an HOD exemption.

Contact: galwayr@hillmorton.school.nz

Semester course

This course is useful for a variety of future career options.

Course components

- Analyse data to make conclusions about a population
- Use trigonometry to solve problems involving area and design
- Learn to find optimum solutions for problems involving a network

Mainly Internal Maths and Stats (Sem B)

Course type: Mathematics and Statistics

2MAIb	2	8	4	$0
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Statistics L3 Mathematics and Statistics	Must have passed the first semester OR successfully applied for an HOD exemption.

Contact: galwayr@hillmorton.school.nz

Semester course

This course is useful for a variety of future career options.

Course components

- Explore the relationships between graphs and equations
- Find the probability of occurrence of an event within a situation that is made up of multiple events
- Solve problems by simulating the probability of an event occurring

Fully Internal Maths and Stats (Sem A)

Course type: Mathematics and Statistics

2MAXa	2	9	0	$0
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Mathematics and Statistics	If students didn't meet the requirements for other L2 Maths courses, but want to continue, their entry will be based on attitude. (This course is yet to be confirmed)

This course is for those who need Level 2 Maths but did not achieve Level 1 Maths.

Course components

- Use trigonometry to solve problems involving area and design
- Analyse data to make conclusions about a population
- Learn how to find optimum solutions for problems involving a network

Contact: galwayr@hillmorton.school.nz

Semester course

Fully Internal Maths and Stats (Sem B)

Course type: Mathematics and Statistics

Course	Level	Int cr	Ext cr	Course contribution
2MAXb	2	6	0	$0

Pathways	Entry requirements
L3 Mathematics and Statistics	Must have passed the first semester OR successfully applied for an HOD exemption. (This course is yet to be confirmed)

This course is for those who need Level 2 Maths but did not achieve Level 1 Maths.

Course components

- Learn how to plan and create experiments to find the likelihood of different outcomes
- Discover, prove and use patterns to solve problems
- Explore features of geometrical shapes

Contact: galwayr@hillmorton.school.nz

Semester course

Music

Music

Course type: Music

2MUS	2	20	0	$30
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Music	1 MUS or by negotiation

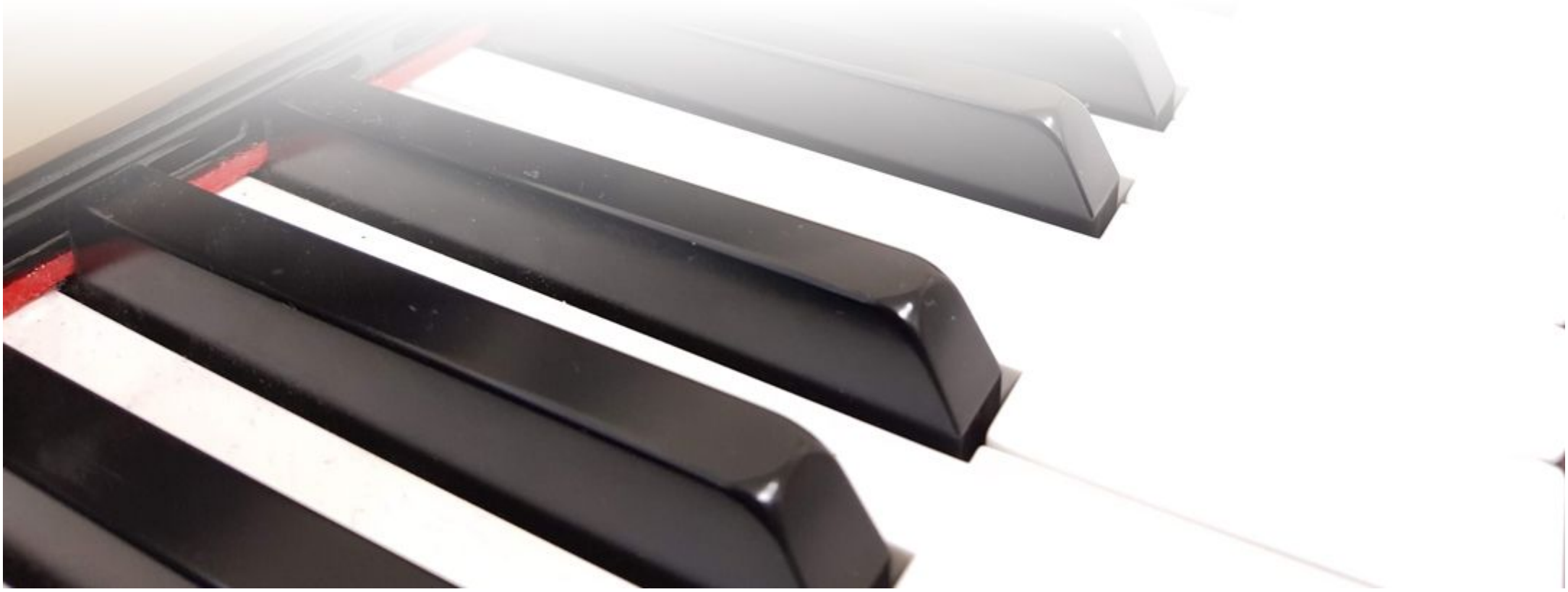
Contact: bainbridgg@hillmorton.school.nz

Full year course

This course is for students wanting to perform, create or study Music in live or virtual situations.

Course components

- Perform as a featured soloist or as a member of a group
- Compose original pieces of music
- Demonstrate and apply knowledge of music technology equipment and techniques
- Demonstrate and apply knowledge of sound technology for a performance context



Māori

Te Reo Māori

Course type: Māori

2MAO	2	10	0	$20
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Te Reo Māori	1MAO

Contact: lukem@hillmorotn.school.nz

Full year course

This course explores the Language and Tikanga of Te Reo Māori through a range of activities.

Course components

- This course builds on previous knowledge of Te Reo and Tikanga
- Assessment and Unit standards are selected in response to individual learning needs
- Participate in Manu Kōrero speech competition (optional)

Physical Education & Health

Individual differences can be overcome

Course type: Physical Education & Health

2HLTa	2	10	0	$20
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Physical Education L3 Health Education Improved Personal Health & Wellbeing	None, although L1 Physical Education or L1 Outdoor Education is an advantage

Contact: ruscoem@hillmorton.school.nz

Semester course

This course involves researching possible injuries/illnesses and implementing ideas for treatment.

Course components

- Investigate health conditions, impairments and or injuries
- Analyse treatment options for a chosen health condition
- Discover pathways into Health and Wellbeing of the community
- Develop connections with local preschool or retirement village and volunteer time to create a game, equipment or programme to improve the health and wellbeing of others

Healthier minds, healthier people

Course type: Physical Education & Health

Course	Level	Int cr	Ext cr	Course contribution
2HLTb	2	10	5	$20

Pathways	Entry requirements
L3 Physical Education L3 Health Education Improved Personal Health & Wellbeing	None, although L1 Physical Education or L1 Outdoor Education is an advantage

Contact: ruscoem@hillmorton.school.nz

Semester course

This course will allow you to develop competencies for mental wellness and reproductive health.

Course components

- Develop competencies for mental wellness, reproductive health and positive sexuality
- Build resilience through strengthening personal identity and self-worth
- Acquire skills to understand resilience, managing change and loss
- Expand self confidence and decision-making skills

Outdoor Education

Course type: Physical Education & Health

Course	Level	Int cr	Ext cr	Course contribution
2OED	2	20	0	$400

Pathways	Entry requirements
L3 Physical Education Degree courses at Ara Adventure tourism Guiding Outdoor instructor DoC Conservation	Good physical fitness L1 English is an advantage

Contact: ruscoem@hillmorton.school.nz

Full year course

This course is for those who enjoy the outdoors and exploring the amazing playground we have in New Zealand.

Course components

- Experience surfing, rock climbing, mountain biking, sea kayaking whilst developing bushcraft skills
- Develop an appreciation of the potential and value of the environment
- Strengthen leadership and communication skills
- Understand the importance of personal and group responsibility
- Manage and identify risks
- Discover positive ways to manage stress
- Note: where possible, the school will help families who need financial assistance with the fee contribution.

Dive Right In

Course type: Physical Education & Health

Course	Level	Int cr	Ext cr	Course contribution
2PEDa	2	40	0	$100

Pathways	Entry requirements
L3 Physical Education L3 Health Education Swimming educator at local pools	None, although 1PED is an advantage

Contact: ruscoem@hillmorton.school.nz

Semester course

This course will enable you to coach, learn, develop leadership skills & plan coaching sessions.

Course components

- Learn the progressions of learning to swim
- Assist in planning and delivering an effective swimming lesson
- Learn health and safety requirements in and around the aquatic environment
- Develop leadership skills and gain communication skills
- Tuakana-teina Year 7 and 8 students to develop water confidence and swimming techniques

Coaching and Leadership

Course type: Physical Education & Health

Course	Level	Int cr	Ext cr	Course contribution
2PEDb	2	8	0	$30

Pathways	Entry requirements
L3 Physical Education L3 Health Education	None, although 1PED is an advantage

Contact: ruscoem@hillmorton.school.nz

Semester course

This course helps develop leadership, confidence, communication, self management and organisation skills.

Course components

- Implement planning and organisation of coaching sessions for primary school students
- Evaluate communication skills and management in a group
- Discover your leadership style and analyse your ability as a coach
- Understand effective leadership strategies through coaching a sport.

Personal Trainer

Course type: Physical Education & Health

2PEDc	2	8	0	$30
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Physical Education L3 Health Education Personal Health & Wellbeing	None, although 1PED is an advantage

Contact: ruscoem@hillmorton.school.nz

Semester course

This course will help you improve performance in a chosen sport and understand how to train others.

Course components

- Investigate a learning pathway to Fitness, Human Nutrition, Sport and exercise science
- Experience a variety of training methods
- Learn about the Principles of Training, Injury Prevention
- Investigate Sports Psychology

Personal Development in Performance

Course type: Physical Education & Health

Course	Level	Int cr	Ext cr	Course contribution
2PEDd	2	11	0	$30

Pathways	Entry requirements
L3 Physical Education L3 Health Education Personal Health & Wellbeing	None, although 1PED is an advantage

Contact: ruscoem@hillmorton.school.nz

Semester course

This course will help you improve performance in your chosen sport.

Course components

- Investigate motor skills
- Find out how to improve your skills for a variety of physical activities
- Demonstrate ability to participate in physical activities
- Understand biomechanics and improvement in technique

Science

Biology

Course type: Science

2BIO	2	14	8	$150
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Biology Animal Technology at Ara or similar Diploma in Applied Science	14+ credits in L1 Science (including AS 90948 Genetics) or HOD approval. Students should have good results in Level 1 English.

Contact: snyderm@hillmorton.school.nz

Full year course

This course focuses on life processes at the cellular, individual organism and population levels.

Course components

- Explore cells, their components, functions, and processes using microscopes and practical experiments
- Investigate ecological interactions on a rocky shore
- Explore mechanisms of genetic variation and change
- Research adaptations for gas exchange in different organisms, including dissections

Chemistry

Course type: Science

2CHE	2	7	13	$30
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Chemistry Diploma in Applied Science	14+ credits in L1 Science (including AS 90944 Acids and Bases) or HOD approval.

Contact: snyderm@hillmorton.school.nz

Full year course

This course develops students' understanding of the nature and behaviour of matter.

Course components

- Build knowledge of qualitative and quantitative analysis through practical based learning and assessments
- Discover the structure of matter and chemical bonding
- Research common organic compounds
- Explore the reactivity of matter

Physics

Course type: Science

2PHY	2	10	12	$50
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Physics Electrical and engineering trades	14+ credits in Level 1 Science (including AS 90940 Mechanics) and 10+ credits in Level 1 Mathematics, or HOD approval.

Contact: snyderm@hillmorton.school.nz

Full year course

This course introduces Physics - the science of nature and of matter in time and space.

Course components

- Investigate a non-linear mathematical relationship using scientific experimental techniques
- Learn about the development of atomic models, radioactivity and nuclear energy
- Study electromagnetism and applications such as electric motors
- Develop an understanding of mechanics through investigating the interaction of forces, motion and energy

Psychology

Course type: Science

Course	Level	Int cr	Ext cr	Course contribution
2PSYa	2	10	0	$0

Pathways	Entry requirements
L2 Geographical Crime Investigation course. Further study in Psychology	14+ credits in L1 Science, L1 Literacy HOD approval

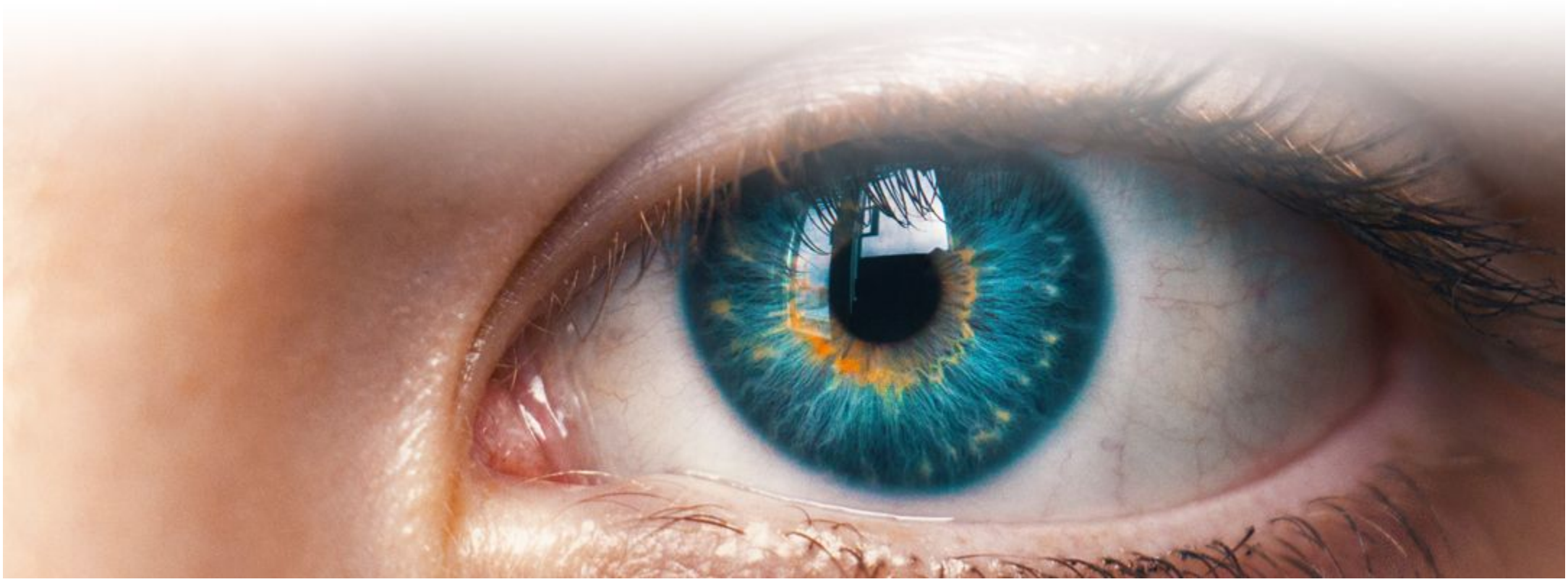
Contact: snyderm@hillmorton.school.nz

Semester course

This course provides an introduction to psychological explanations of human and animal behaviour.

Course components

- Explore the different approaches in psychology
- Research explanations of human and animal behaviour
- Carry out a psychological investigation



Laboratory Science

Course type: Science

Course	Level	Int cr	Ext cr	Course contribution
2SCla	2	8	0	$0

Pathways	Entry requirements
Environmental Science course. Further study in laboratory or applied science	14+ credits in L1 Science HOD approval

Contact: snyderm@hillmorton.school.nz

Semester course

This course provides hands-on laboratory experience and skills.

Course components

- Explore the structure and components of cells using microscopes
- Learn how to make biological drawings
- Analyse chemical samples to determine their composition
- Understand the significance of the presence of certain chemicals to humans or the environment
- Show safe laboratory practices

Environmental Science

Course type: Science

Course	Level	Int cr	Ext cr	Course contribution
2SCIb	2	8	0	$0

Pathways	Entry requirements
Further study in environmental science or applied science	14+ credits in L1 Science, L1 Literacy HOD approval

Contact: snyderm@hillmorton.school.nz

Semester course

This course explores life in extreme environments and effects of human activities on sustainability.

Course components

- Explore what makes environments extreme
- Research how organisms are adapted to live in different extreme environments
- Investigate how human activities affect ecosystems and sustainability

Social Sciences

Myths and Mayhem

Course type: Social Sciences

Course	Level	Int cr	Ext cr	Course contribution
2CLSa	2	10	0	$0

Pathways	Entry requirements
L2 Classical Studies - Heroes and the Glory of Rome L3 Classical Studies	L1 History or L1 Geography or high level of literacy (reading and writing English credits) or with HOD Approval

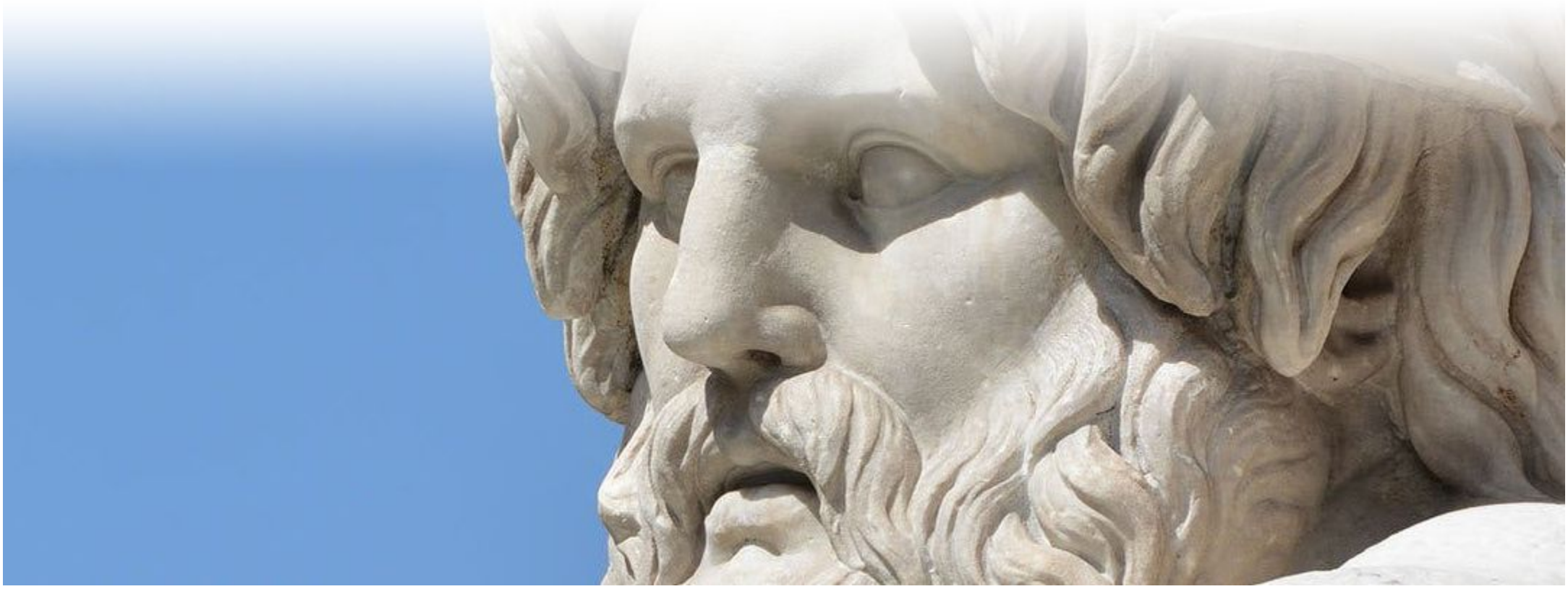
This course offers a chance to learn about Greek Myths and Legends and the ancient town of Pompeii.

Course components

- Discover the myths and legends of the Greeks
- Investigate the eruption and the rediscovery of Pompeii
- Develop an appreciation of art and architecture
- Create your own ancient artefact

Contact: coulbeck@hillmorton.school.nz

Semester course



Heroes and the Glory of Rome

Course type: Social Sciences

2CLSb	2	0	10	$0
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Classical Studies	L1 History or L1 Geography or high level of literacy (reading and writing English credits), or with HOD Approval

Contact: coulbeck@hillmorton.school.nz

Semester course

This course examines the mind of an ancient hero and the daily life and customs of Ancient Rome.

Course components

- Learn about the qualities of an ancient hero
- Immerse yourself in an ancient literary text
- Discover what life was like in Ancient Rome
- Study the good, bad and crazy rulers of Rome

Geography - Exploring Aoraki

Course type: Social Sciences

Course	Level	Int cr	Ext cr	Course contribution
2GEOa	2	12	4	$160

Pathways	Entry requirements
L2 Geography - Geographic Crime Investigators (GCI) L3 Geography L3 Tourism	L1 Geography or L1 History or L1 Science or HOD approval

This course takes you to Mount Cook to explore glaciers, mountains, tourism and pest control.

Course components

- Discover what is underneath New Zealand
- Investigate current issues at Mount Cook
- Examine different people's perspectives
- Study natural environments
- Make and use digital maps and graphs

Contact: jordank@hillmorton.school.nz

Semester course

Geographic Crime Investigations (GCI)

Course type: Social Sciences

Course	Level	Int cr	Ext cr	Course contribution
2GEOb	2	6	4	$0

Pathways	Entry requirements
L3 Geography L3 Tourism	L1 Geography or L1 History or L1 Science or HOD approval

Contact: jordank@hillmorton.school.nz

Semester course

This course explores American and global patterns of crime, the causes and the impacts.

Course components

- Examine patterns and causes of crime
- Make and interpret digital maps and graphs
- Discover social, economic, environmental and political causes & perspectives
- Study urban environments

History of Our Back Yard

Course type: Social Sciences

Course	Level	Int cr	Ext cr	Course contribution
2HISa	2	9	4	$60

Pathways	Entry requirements
L2 History - Good morning Vietnam L3 History	HOD Approval,

Contact: jordank@hillmorton.school.nz

Semester course

This course includes an overnight field trip to Akaroa to explore Banks Peninsula History.

Course components

- Take an overnight road trip to Onuku and Akaroa and stay in Stargazers while learning the local history
- Visualise Maori battles and conflicts on former pa sites
- Find your own sources of information around the Bay

Good Morning Vietnam

Course type: Social Sciences

2HISb	2	5	9	$0
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 History L3 Classical Studies	HOD Approval

Contact: jordank@hillmorton.school.nz

Semester course

This course examines the Tet Offensive and the different perspectives of the Vietnam War.

Course components

- Interpret movies including Platoon and Good Morning Vietnam
- Enter imaginatively into events of the past
- Develop a deeper understanding of New Zealand heritage, culture, shared values and place in the world
- Further your historical understanding of how the modern world has been shaped

Introduction to Tourism & Travel

Course type: Social Sciences

Course	Level	Int cr	Ext cr	Course contribution
2TOUa	2	11	0	$70

Pathways	Entry requirements
L3 Tourism Tourism courses Airline Industry Hotel Management	None

Contact: jordank@hillmorton.school.nz

Semester course

This course introduces Tourism by looking at the needs of tourists and work-place experience

Course components

- Discover locations, attractions and events around the world
- Learn basic skills in English and Maths that are required for jobs in Tourism
- Understand tourists, what they want and how to work in the tourism industry
- Visit New Zealand School of Travel and Tourism to see what tertiary study looks like

Tourism - Impacts and Extension

Course type: Social Sciences

Course	Level	Int cr	Ext cr	Course contribution
2TOUb	2	10	0	$70

Pathways	Entry requirements
L3 Tourism Tourism courses Airline Industry Hotel Management	None

Contact: jordank@hillmorton.school.nz

Semester course

This course will examine the business, retail and physical impacts of Tourism.

Course components

- Find out if you have what it takes to be a flight attendant
- Learn aviation industry vocabulary
- Learn how tourism impacts on people, places and the environment
- Understand how tourism has grown into New Zealand's biggest earner
- Examine the best locations, events and attractions that New Zealand has to offer

Technology

Automotive Engineering

Course type: Technology

2AUT	2	23	0	$0
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
Polytechnic pre trade courses Apprenticeships in automotive trades	12 credits in L1 Automotive Engineering or HOD Approval

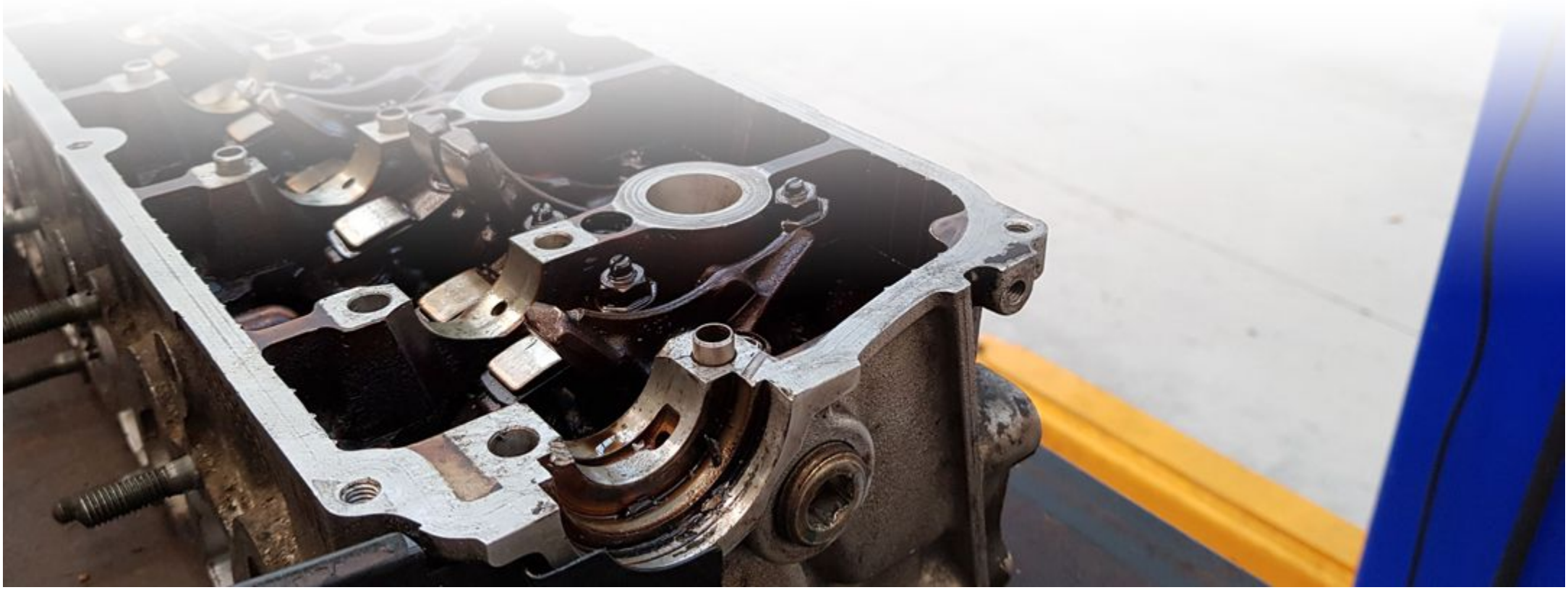
Contact: mckenzied@hillmorton.school.nz

Full year course

This course continues the pathway towards a career in the automotive industry.

Course components

- Learn about emergency procedures in automotive workshops
- Work with two and four stroke petrol and diesel engines
- Service vehicles
- Understand vehicle systems such as brakes, steering and engines



Technology Hard

Design and Visual Communication

Course type: Technology Hard

2DVC	2	16	10	$10
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 DVC Building and Engineering trades	12 credits in L1 DVC or HOD Approval

Contact: mckenzied@hillmorton.school.nz

Full year course

This course explores the range of possibilities that are available through design and formal drawing.

Course components

- Use the design process to create products and architectural outcomes
- Present designs to an audience using visual communication techniques
- Create outcomes using computer aided design
- Use sketching and rendering through ideation processes

Technology Engineering

Course type: Technology Hard

2TEN	2	22	0	$150
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Technology Engineering Polytechnic pre trade courses Apprenticeships in: - engineering - fabrication - welding	12 credits in 1TEN or HOD Approval

Contact: mckenzied@hillmorton.school.nz

Full year course

This course teaches the skills and knowledge used in engineering and allied trades.

Course components

- Work safely in an engineering environment
- Learn welding and machining techniques
- Research materials and uses
- Design and manufacture a major project

Technology Wood

Course type: Technology Hard

2TWO	2	24	0	$160
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 Technology Wood Polytechnic pre trade courses Apprenticeships in: - construction trades - carpentry - joinery	12 credits in 1TWO or HOD Approval

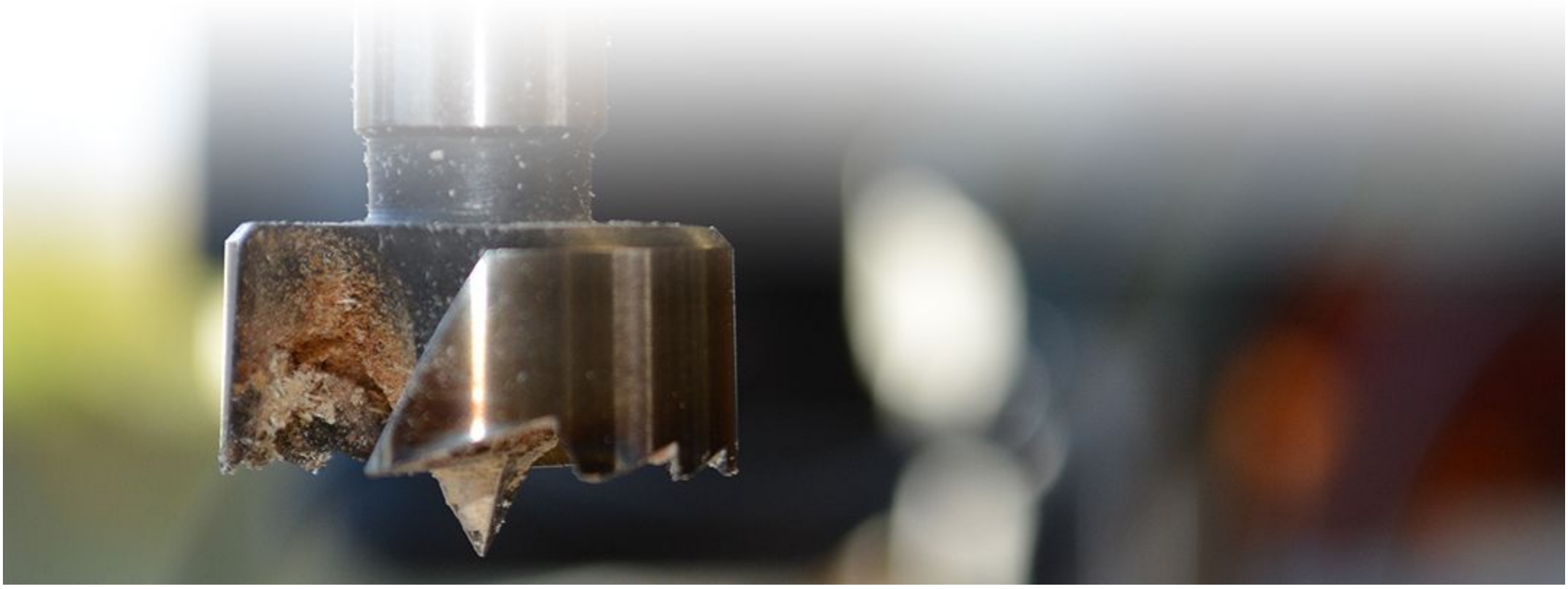
Contact: mckenzied@hillmorton.school.nz

Full year course

This course teaches the skills and knowledge used in the furniture and joinery trades.

Course components

- Understand workplace health and safety in the construction industry
- Manufacture a garden furniture set using timber
- Use and maintain hand tools
- Use and maintain power tools
- Manufacture an equipment item using timber



Transition

Directions Focus

Course type: Transition

2DFO	2	21	0	$0
Course	Level	Int cr	Ext cr	Course contribution

Pathways	Entry requirements
L3 NCEA Polytechnic courses Apprenticeships	HOD Approval Must be willing to participate and contribute to class discussions

Contact: agnewp@hillmorton.school.nz

Full year course

This course is for those who wish to explore career options and pathways within a classroom setting.

Course components

- Produce a personal career pathway plan
- Prepare a targeted CV and participate in a formal interview
- Experience success by enhancing your strengths through group work
- Challenge yourself by experiencing another learning environment through a STAR course or Gateway placement.