



FRANCIS DOUGLAS MEMORIAL COLLEGE

A Catholic College in the tradition of the De La Salle Brothers

Enter to learn, leave to serve.



**YEAR 12
NCEA LEVEL 2
SUBJECT HANDBOOK**

2026



*Growing good
college men
since 1959.*



Touching hearts, teaching minds, transforming lives.

Please read this subject handbook carefully
to inform you of your subject selections



CONTENTS

Introduction	1
Course Selection Process at FDMC	2
People Who Can Help	3
Careers Information	4
NCEA Levels and Certificates	5
Year 12 Subject Selection	6
Subject Entry to Year 12 Courses	7
University Entrance	8
Subject Selection Guide	9
Subject Selection Form	10
Level Two Subjects – Alphabetical Order	11

INTRODUCTION

Welcome to the Francis Douglas Memorial College 2026 Option Booklet. The Option Booklet is designed to assist parents and students make the best choices. It provides information about the courses of study available in the senior school. It also provides an overview of the National Certificate of Educational Achievement (NCEA).

When they leave school, our students are entering a world where competition is fierce and the norm now is to have at least 4–5 careers over the course of one’s working life. Because of this, subject choices made at secondary school cannot be made lightly. The ideal is for students to leave school with a range of career options available to them. This only happens as a result of strategic goal setting, careful planning, focus and hard work.

Parents and caregivers, please take an active part in the students’ career planning: work through and discuss the career planning form, ask questions, use the internet, and talk to people who are knowledgeable, especially Ms Lauren O’Reilly (HOD Careers Department). It is important for our students to plan their subject choices effectively so as to maximise their opportunities when moving into tertiary study and the workplace.

Students are advised that, in terms of having viable career opportunities beyond secondary school, NCEA Level 2 is considered a minimum qualification.

Five essential guidelines should be kept in mind when planning a programme of study in the senior school:

1. Choose a range of subjects, which will provide options in both tertiary study and career choice.
2. Choose a programme which has relevance to areas of future study for the career pathway chosen.
3. Choose a realistic programme/career path.
4. Select subjects that are of interest to you and are your best subjects.
5. The programme of study for any year must be based on a long-term plan.

COURSE SELECTION PROCESS AT FDMC

KEY DATES

Wednesday, 17 Sept - end of Term 3	Yr 11 & 12 students to hand in their subject selection forms
Monday 1st – Wed 3rd September	Yr 10 students and parents/caregivers attend compulsory subject selection counselling
Monday 15th September – last week of Term 3	All Year 10 forms to be handed in
Term 4, Weeks 1–2 During Prelim Exams & Study Leave	Yr 11 & 12: optional subject counselling.

|

PEOPLE WHO CAN HELP

Deciding your course deserves careful thought and consultation. Make use of the resource people around the school including the contact people in this document e.g., your Deans and Teachers, Pathways staff, Heads of Department.

- L2 & 3 Accounting – Mr Mark Sewter
- Business Enterprise / Young Enterprise – Ms Pascale Joines
- Biology – Mr Josh Morris
- Careers (Gateway/Star/ CPP) – Ms Lauren O’Reilly
- Chemistry – Mrs Anna Langford
- L1 Commerce – Mr Mark Sewter
- Digital Technologies – Mr Andy Evans / Mrs Melinda Stevenson
- L2 & 3 Economics – Mr Mark Sewter
- English – Ms Renée Woollaston
- Geography – Mr Mark Wales
- Food and Nutrition / Health – Mrs Lana Rowland or Mrs Sheree Asi
- History – Mr Martin Dravitzki
- Languages – via Te Kura Correspondence School – Mrs Dorothy Lacanaria
- Te Reo Māori – Matua Teihorangi Walden
- All Mathematics (Maths, Maths Applications, Statistics & Calculus) – Mr Matt Casey
- Music – Mr Leon Gray
- NZQA Liaison / DP Curriculum – Mrs Melinda Stevenson
- Physics – Mr Charl van der Heever
- Physical Education – Mr James Rowland
- Primary Industries – Mrs Aimee Watkins
- Product Design – Mr Andy Evans or Ms Briana Matthews
- Religious Studies – Mrs Anna Zsigovits-Mace
- Science – Mr Josh Morris
- Technology – Wood – Mr Andy Evans
- Technology – Engineering – Mr Stephen Ritchie
- Visual Arts – Mrs Jane Aitken Connolly
- Year Level Deans (Y11 – Ms Kath Curd, Y12 – Mr Jamie Reid, Y13 – Ms Lauren O’Reilly)

Students must have a career plan and check that they have selected the right subjects for their career choice(s). Some subjects are required to be able to study for specific career pathways.

Remember the following:

- All careers require Mathematics to some level and at an advanced level in a number of fields, such as the Sciences.
- English is also required at some level in all careers and at an advanced level in information based careers such as Law.
- Five Level 2 Reading and five Level 2 Writing Credits are needed to get University Entrance Literacy.

It is important that all students understand the subject level required for entry into careers of interest. When planning for a career, you can find career information from the following information sources:

- The Careers Department staff;
- Appropriate tertiary training provider booklets;
- Youth Guarantee website: www.youthguarantee.net.nz for Vocational Pathways information;
- Careers NZ website www.careers.govt.nz for all career information;
- Career Quest to assist in career selection;
- Careers Information leaflets;
- Jobs Galore manual




All careers matters can be discussed with Careers Department staff at FDMC.

NCEA LEVELS AND CERTIFICATES

This subject handbook should be read in conjunction with the NCEA handbook issued to all senior students each year. This contains all the information you need to know in preparation for achieving NCEA at each level.

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

NCEA INFO SHEET

NCEA LEVEL 1	NCEA LEVEL 2	NCEA LEVEL 3	UNIVERSITY ENTRANCE
Level 1 (or higher) minimum 60 Credits	Level 2 (or higher) minimum 60 Credits	Level 3 (or higher) minimum 60 Credits	Level 3 minimum 60 Credits
			Including: Uni approved subject 1 14 credits minimum Uni approved subject 2 14 credits minimum Uni approved subject 3 14 credits minimum
Plus: * Numeracy 10 Credits Literacy 10 Credits	Plus: * Numeracy 10 Credits Literacy 10 Credits	Plus: * Numeracy 10 Credits Literacy 10 Credits	Literacy in Reading 5 Credits, Level 2 or higher Literacy in Writing 5 Credits, Level 2 or higher

* Numeracy and literacy only needs to be gained once.

Image credit: NZQA

Credits gained at one level can be used for (or count towards) more than one certificate. They may also be used towards other qualifications.

YEAR 12 SUBJECT SELECTION

When deciding on your course for Year 12, consider the following points:

- You are to choose **five** subjects. All students are required to take Religious Studies.
- Subject description will give you a brief introduction as to what the subject is about and what will be studied.
- If you have not gained sufficient literacy and numeracy credits by the end of Year 11 to gain NCEA Level 1, you should be planning a Year 12 programme that will give you the opportunity to catch up. Please see Careers staff or your Dean if you need assistance.
- Year 12 is often a foundation for Level 3 study in Year 13. If you wish to enter degree level tertiary study check with the careers staff and/or the university/polytechnic/tertiary institute that you are taking the right courses.
- Although we do try to avoid setting prerequisites, there are some subjects that prefer the students to have a degree of prior learning and understanding. For example, a certain level of attainment in a Level 1 subject may be required. Alternatively, credits from a particular unit standard may be needed. For some subjects, all that is needed is your interest and commitment.
- A wide variety of subjects is on offer at Year 12. **Some courses may not run if there are not enough students choosing to do them.** Other courses may close off at a certain number if there are too many applicants and if the school is unable to have more classes.
- **You have the opportunity of multi-level study to cater for varying strengths and interests.** Naturally, this is only possible if you can be accommodated on the school timetable. Study at a higher level than Level 2 requires the approval of your parent or caregiver, the Head of Department, the Dean and/or the DP Curriculum – Melinda Stevenson.

SUBJECT ENTRY TO YEAR 12 COURSES

Students who gain NCEA Level 1:

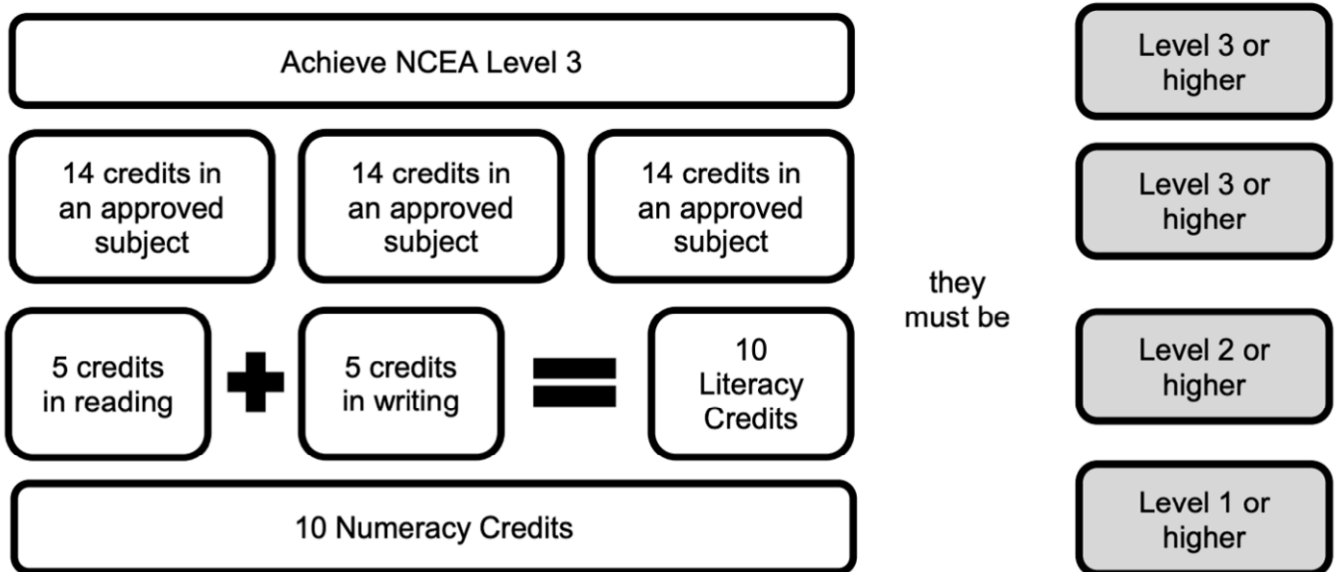
- Entry to specific subjects is determined by the entry requirements set by each department. These are listed in this booklet. If a student does not meet the specific entry requirement, HOD approval may be sought depending on the student's particular circumstances.
- Students whose credits are unevenly spread across their subjects, with the result that they do not have the minimum number of credits in certain subjects to be able to take the subject at Level 2 the following year, will be required to discuss their course with the DP Curriculum or Dean before school starts next year. These students may be best served by taking a combination of Level 1 and Level 2 courses.

Students who **Do Not** gain NCEA Level 1:

- Every effort is made to support all students to achieve NCEA Level 1, this includes supporting them to achieve the required literacy and numeracy credits.
- Generally speaking, the reason for not achieving NCEA Level 1 is due to the student not achieving the literacy and/or numeracy credits.

University Entrance (UE) is the minimum requirement to go to a New Zealand university.

To gain UE you will need to:



Note 1: Literacy and numeracy credits can be obtained from certain other subjects, as well as English and Mathematics.

Note 2: The above are minimum requirements and universities such as the University of Auckland may have more stringent requirements for many courses. Details can be obtained from the various university websites or from the school Careers Advisors.

Once you have met the requirements for University Entrance it will appear on your Record of Achievement.

Applicants to New Zealand universities require credits in approved subjects. The list can be found on the NZQA website:

www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/approved-subjects

SUBJECT SELECTION GUIDE

Religious Studies is compulsory. Tick the subjects you wish to take.

LEARNING AREA	YEAR 11	YEAR 12	YEAR 13
RELIGIOUS STUDIES	RST	RST	RST
ENGLISH	English	English + Internal English	English
LANGUAGES	Te Reo Māori <i>Offered via Te Kura:</i> French German Japanese Samoan Spanish	Te Reo Māori <i>Offered via Te Kura:</i> French German Japanese Samoan Spanish	Te Reo Māori <i>Offered via Te Kura:</i> French German Japanese Samoan Spanish
MATHEMATICS	Mathematics Applications Mathematics	Mathematics Applications Mathematics	Mathematics Applications Mathematics with Calculus Mathematics with Statistics
PHYSICAL EDUCATION & HEALTH	Food & Nutrition / Health Physical Education Studies	Food & Nutrition / Health Physical Education Studies	Food & Nutrition Health Physical Education Studies
PRIMARY INDUSTRIES	Agri Science Primary Industries Trade Academy	Primary Industries Trade Academy	Agri Science Primary Industries
SCIENCE	Science	Biology Chemistry Physics	Biology Chemistry Physics
SOCIAL SCIENCES	Commerce Geography History	Accounting Business Enterprise (YES) Economics Geography History	Accounting Business Enterprise (YES) Economics Geography History
TECHNOLOGY	Digital Technologies Product Design Technology – Engineering Technology – Wood	Digital Technologies Product Design Technology – Engineering Technology – Wood	Digital Technologies Product Design Technology – Wood
THE ARTS	Music Visual Art	Music Painting Photography	Design Music Painting Photography
CAREERS & PATHWAYS		<ul style="list-style-type: none"> • Gateway • STAR • Trades Academy 	<ul style="list-style-type: none"> • Careers Pathway Prog. • Gateway • STAR • Trades Academy

SUBJECT SELECTION FORM

Subject Selection Guide:

- You are advised to inspect our subject selection booklet on www.fdmc.school.nz and speak with staff members and parents before making your selections.
- Select subjects by ticking those you wish to study in 2026. Use the subject/pathway table on the previous page and the form below to guide your selection.
- All students will study Religious Studies. In addition, all:
 - Year 12 and 13 students must choose five (5) subjects.
- **Note:** Although English is no longer compulsory at Level 2 please check carefully that it is not a requirement for what you want to do. For example: Level 2 Reading and Writing Credits for University. *Auckland University require you to have 17 credits in English at Level 2 or above.*

Please Note:

- Subjects are dependent on student numbers. Careful selection of subjects means finding out about the pathways that link your subject selection with your future goals.
- You need to consider this when selecting your subjects and considering future pathways.
- Students wishing to study STAR, Trades Academy, Gateway or CPP will need to collect a separate application form from the Careers Office (or see Ms O'Reilly).
- Please complete the form below as an initial step in the subject selection process.

Subject Selection Form Yr 12

STUDENT NAME:		YR LEVEL 2026:
Subject 1	Religious Studies	
Subject 2		
Subject 3		
Subject 4		
Subject 5		
Subject 6		
Backup Subject 1		
Backup Subject 2		

YEAR 12 COURSES 2026



Faith, Service, Community, Excellence



L2 ACCOUNTING

Description:

Accounting is the language of business and affects the lives of all individuals and businesses. This course is designed for students who may wish to pursue a career in Accounting or Commerce. Level 2 Accounting is a great bridging course between Level 1 and 3 expanding on previous knowledge and skills learned, with an emphasis put on practical processing in subsystems. Accounting concepts, preparing statements and managerial analysis are also covered.

Entry Requirements	Course Endorsement	Contact	Cost
Approval of the HoD or Teacher in Charge	Yes	Mr Mark Sewter mse@fdmc.school.nz Mr Mark Wales mwal@fdmc.school.nz	\$35 for workbook

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Level 3 Accounting or Level 3 Business Enterprise.

L2 BIOLOGY

Description:

Biology lies at the core of Aotearoa/New Zealand's economic and natural environments. While studying Biology at NCEA Level 2, students will explore the living world, gaining an understanding of animal form and function, ecology, fundamental life processes and genetic variation. Students will develop a range of practical skills that will be applied both in and outside the lab.

Entry Requirements	Course Endorsement	Contact	Cost
Achieved at least THREE external standards in Level 1 Science.	Yes	Mr Joshua Morris jom@fdmc.school.nz	Workbook (Approx. \$30)

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	0
Total Writing Credits	N/A	8

Leads to: Year 13 Biology.

L2 BUSINESS ENTERPRISE

Description:

Business Enterprise is available to students who are interested in the experience of starting and running their own business or have an interest in the world of business. It has a problem solving focus and requires a commitment to being part of a team to set up and run a business enterprise as part of the Taranaki and National YES (Young Enterprise Scheme) Competition. Students financially benefit from their efforts and successes. Working as a team is an essential part of this course, as is meeting deadlines. Content from this course come from the Business Studies and Generic Technology fields.

Entry Requirements	Course Endorsement	Contact	Cost
Approval of the HoD or Teacher in Charge	No	Mrs Pascale Joines pjo@fdmc.school.nz Mr Mark Wales mwal@fdmc.school.nz	Capital start-up funds are raised by the students themselves.

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Business Studies at Level 3, careers in Business, Entrepreneurship and Startup Companies. This subject is a University Entrance accepted domain.

L2 CHEMISTRY

Description:

Issues in Chemistry have never been more topical, and the course explores some of these issues, and their relevance to everyday lives. The course is an interesting mix of theoretical and practical work, and is an excellent introduction to Level 3 Chemistry and to University Chemistry courses.

Entry Requirements	Course Endorsement	Contact	Cost
Merit or higher in L1 Algebra Topic Test or HoD Approval.	Yes	Mrs Anna Langford ala@fdmc.school.nz	Workbook \$25.00

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Level 3 Chemistry and to careers in medicine, engineering, marine studies, biochemistry.

L2 DIGITAL TECHNOLOGIES

Description:

This course is designed for students who want to learn skills in programming and database design, building on those learned in the Level 1 DT course. It covers Python, building a graphical interface for the user and using Filemaker Pro. Students will work on their own project idea in the areas covered by the Digital Technologies curriculum.

Entry Requirements	Course Endorsement	Contact	Cost
Achieved all credits in L1 Digital Technologies or HoD Approval	Yes	Mr Andy Evans aev@fdmc.school.nz	N/A

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Level 3 Digital Technologies.

L2 ECONOMICS

Description:

Level 2 Economics explores the economic issues that affect us everyday in society. These include, inflation, which is a huge problem around the world, Employment and Unemployment, and how that affects us as job-seekers. Local Economic Issues such as Iron Sand Mining or the Oil Industry are also studied along with Government Policies, the way the Government does things, and how this affects us positively and negatively. With the skills learned in Economics, we are able to judge whether governments are doing things right or not.

Entry Requirements	Course Endorsement	Contact	Cost
HoD or Teacher Approval	Yes	Mr Mark Sewter mse@fdmc.school.nz Mr Mark Wales mwal@fdmc.school.nz	Workbook \$35.00

UE Literacy Credits Available	Internal	External
Total Reading Credits	10	
Total Writing Credits	N/A	
<i>Writing credits with L3 external only</i>		6* L3 optional

*Six credits are available as a Level 3 external exam using the context taught in this Level.

Leads to: Level 3 Economics. Level 1 Uni Macroeconomy course.

L2 ENGLISH

Description:

This is a full NCEA Level 2 course developing the student's oral, written and visual language skills. Subjects studied include creative and formal writing, language, visual and oral language skills, research and literature (novel, film, short story, poetry etc.). This course will enable students to gain UE Literacy.

Please note: Based on numbers and expressions of interest, we may run a bespoke Internal English course for those wishing to study an alternative, internal English programme. Students should *tick* Internal English on their form if they are interested in this option.

Entry Requirements	Course Endorsement	Contact	Cost
HoD Approval	Yes	Ms Renée Woollaston rwo@fdmc.school.nz	N/A

UE Literacy Credits Available	Internal	External
Total Reading Credits	4	8 [4 + 4] or
Total Writing Credits	6	8 [4 + 4]

Leads to: Level 3 English.

L2 INTERNAL ENGLISH

Description:

This course is designed for students who would find a full level 2 course too demanding. The course will focus on writing, reading and oral skills.

Entry Requirements	Course Endorsement	Contact	Cost
N/A	No	Ms Renée Woollaston rwo@fdmc.school.nz	N/A

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Potentially leads to an internal level 3 course, depending on student numbers and interest.

L2 FOOD & NUTRITION / HEALTH

Description:

During this course, students will develop an understanding of the factors that influence the well-being of individuals and families within the home and community, and actions people take to enhance and sustain those environments. Students will complete both practical cooking and also written aspects of health. Students will look at processes associated with selecting, preparing, cooking and serving food, allowing them to develop their creativity and sense of accomplishment. Barista is also taught over the course of the year.

Entry Requirements	Course Endorsement	Contact	Cost
Open Entry	Yes	Mrs Lana Rowland lro@fdmc.school.nz	Workbook \$70 Barista Fee \$50

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Level 3 Food & Nutrition.

GATEWAY YEAR 12 AND 13

Description:

Gateway opens a pathway from school to the world of work. It's a great opportunity to blend school study with workplace learning and experience. Learning is assessed in the workplace, counting towards national qualifications. Gateway is timetabled as a subject one period per day and has a compulsory work experience component, often one day per week. Gateway consists of individual programmes delivering Unit Standards towards NCEA and other National Certificates in a range of industries. Not all Gateway packages are at Level 3.

Entry Requirements	Placement Examples	Contact	Cost
Students are selected via an application and interview process. Application forms can be obtained from the Careers Office.	Agriculture, Animal Care, Baking, Boat Building, Building and Construction, Business, Administration, Contracting, Dairy Manufacturing, Education, Electrical, Electrical Supply, Engineering, Food Processing, Forestry, Furniture & Joinery, Hairdressing, Health, Horticulture, Hospitality, Media, Motor Engineering, Plastics, Plumbing, Printing and Design, Retail, Road Transport, Sport and Recreation, Sports Turf Management, Telecommunications and Tourism	Mrs Kylie Read kre@fdmc.school.nz	TBD

Leads to: Opens the door to apprenticeships or further training towards an apprenticeship.

L2 GEOGRAPHY

Description:

This course is designed for students who wish to gain a deeper understanding of the world they live in; investigating the interaction between te tāngata (the people) and te taiao (the environment). Students will explore the patterns of crime and murder in Chicago (USA), investigate the issue of using 1080 Poison for possum control in Aotearoa, conduct geographic research on the Hangatahua (Stony) River, learn about the formation and change of the natural landscape of the South Island, Aotearoa, and apply geographic skills and concepts to engaging and interesting case studies.

Entry Requirements	Course Endorsement	Contact	Cost
HoD Approval	Yes	Mr Mark Wales mwal@fdmc.school.nz	N/A

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	4
Total Writing Credits	N/A	

Leads to: Level 3 Geography.

L2 HISTORY

Description:

This course will develop the critical thinking skills needed to examine any significant historical event. We also look at the research process as it applies to history and students will earn valuable NCEA credits and gain research skills vital for studying other disciplines. The main topics covered at this level are: the nature and impacts of a tragedy in NZ, the causes and impacts of the Russian Revolution and the Vietnam War, and its impact on New Zealand.

Entry Requirements	Course Endorsement	Contact	Cost
Teacher or HoD Approval	Yes	Mr Martin Dravitzki mdr@fdmc.school.nz	N/A

UE Literacy Credits Available	Internal	External
Total Reading Credits	14	9 or
Total Writing Credits	N/A	9

Leads to: Level 3 History.

L2 MATHEMATICS

Description:

This course has a strong emphasis on algebra and graphing and requires a high level of skill and interest. Students will learn logical thinking skills and mathematical methods to solve problems. Topics covered include trigonometry, graphing, algebra, calculus, statistics and probability. This course leads to all three Level 3 Mathematics courses.

Entry Requirements	Course Endorsement	Contact	Cost
Level 1 Mathematics incl. 91027 & 91028 or HoD Approval	Yes	Mr Matt Casey mca@fdmc.school.nz	Graphing Calculator (Approx. \$120) & Workbook (Approx. \$30)

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Any of the Year 13 Mathematics courses.

L2 MATHEMATICS APPLICATIONS

Description:

This course in applied mathematics and statistics covers a range of practical mathematical skills as well as equipping students to understand and use data. Topics covered include trigonometry, networks, multivariate data, simulations and probability. This course leads to Mathematics Applications and Mathematics with Statistics only at Level 3.

Entry Requirements	Course Endorsement	Contact	Cost
Level 1 Mathematics or Applications or HoD Approval	Yes	Mr Matt Casey mca@fdmc.school.nz	Scientific Calculator (Approx. \$30) & Workbook (Approx. \$45)

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: This course will lead to studying Level 3 Mathematics Applications (and Statistics) or Level 3 Mathematics with Statistics ONLY.

L2 MUSIC

Description:

Offered through Te Kura Correspondence School, this course builds on the NCEA Level 1 course and further develops the performance, composition, music knowledge, music technology, and score reading skills that were introduced at Level 1. It offers students two fields – Making Music and Music Studies.

Entry Requirements	Course Endorsement	Contact	Cost
Level 1 Music or 4th year or more of Instrument lessons or Approval of TIC Music	Yes	Mrs Dorothy Lacanaria dla@fdmc.school.nz	\$50.00

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Level 3 Music and beyond.

L2 PHYSICAL EDUCATION STUDIES

Description:

This course is designed for students who want to develop their understanding of human movement and athletic performance. There is a strong academic base to this course which does include a lot of practical work as you explore physical activity and sport. It covers the science behind improvement in skills performance and training; building leadership capacity and ability to take action to improve experiences for themselves and others.

Entry Requirements	Course Endorsement	Contact	Cost
Level 1 Physical Education	Yes	Mr James Rowland jro@fdmc.school.nz	TOPEC Camp (Approx. \$250)

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Level 3 Physical Education.

L2 PHYSICS

Description:

Physics aims to explain the nature and properties of matter and energy. Concepts such as motion, forces, waves and the different forms of energy are studied. Level 2 physics is an academic course with the main focus being on the three external achievement standards. Two internal achievement standards are also offered, one of which is a research topic which students are expected to complete for homework following a week's tuition in class. Students require competence in mathematics and a commitment to practise problem solving.

Entry Requirements	Course Endorsement	Contact	Cost
Pass L1 Algebra Topic Test & L1 Energy Achievement Standard or HoD Approval	Yes	Mr Charl van der Heever cva@fdmc.school.nz	Workbook (Approx. \$26)

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Level 3 Physics.

L2 PRIMARY INDUSTRIES

Description:

This is the second year of a two year industry based programme designed specifically as a pathway within the primary industries sectors. Unit standards obtained during this course can be credited towards NCEA Level 1 & 2, and also the Level 2 New Zealand Certificate in Primary Industry Skills. There is a work experience component to this course.

Entry Requirements	Course Endorsement	Contact	Cost
Students are to display an independent, safety conscious and cooperative work ethic at all times.	No	Mrs Aimee Watkins awa@fdmc.school.nz	Provide own footwear and clothing for work experience. Mystery Creek Fieldday – TBC.

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Y13 Primary Industries.

L2 PRODUCT DESIGN

Description:

Product Design enables students to use a wide range of materials and equipment such as 3D printing, laser cutting, CAD as well as more traditional design skills. The course is designed to allow students to identify their own area of interest within Technology and Design and /or pursue a pathway in product design with guidance from their teacher.

Entry Requirements	Course Endorsement	Contact	Cost
Level 1 Product Design	Yes	Mr Andy Evans aev@fdmc.school.nz	\$75.00 charge for 3D printing and other materials

*Students select compulsory & optional standards to take them to a maximum of 19 credits.

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Level 3 Product Design.

L2 RELIGIOUS STUDIES

Description:

The course enables students to develop their skills of analysis and interpretation in the context of social and environmental issues that impact on the quality of human life. They will look at Social Justice through the Gospel Values.

Entry Requirements	Course Endorsement	Contact	Cost
N/A	Yes	Mrs Anna Zsigovits-Mace azs@fdmc.school.nz	N/A

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Level 3 Religious Studies. Good preparation for degrees in Theology, Arts, Humanities, Psychology or Education.

Description:

STAR stands for Secondary Tertiary Alignment Resource. This course is a full year course that consists of individual programmes through distance learning that deliver Unit Standards towards NCEA and other National Certificates in the chosen industry. STAR is timetabled as a subject one period per day.

STAR Unistart – Canterbury and Waikato University offer papers in a wide range of subjects – available to Year 13 students who achieved Level 2 with Merit or Excellence. These can usually be cross credited to other Universities.

Entry Requirements	Possible STAR Courses on offer	Contact	Cost
To be considered for a STAR full year course, an application form must be submitted to the Careers Office.	Agriculture, Automotive, Business, Fitness, Recreation and Sport, Health, Horticulture, Hospitality and Tourism.	Ms Lauren O'Reilly lor@fdmc.school.nz	

Leads to: NCEA or University credits.

L2 TECHNOLOGY ENGINEERING

Description:

This is a wholly unit standard course that focuses on the Mini Motorbike project. The aim is for students to produce a fully working mini motorbike by the end of the year. Skills and knowledge learnt include safety; component assembly; machining within tolerances; problem solving; selecting and using fastening methods; technical drawing and geometric construction; selecting and using power tools; simple and precise measuring; material knowledge and application; marking out techniques, working from templates and datum points; tube forming and fabrication; engine tuning and troubleshooting; testing, evaluating and modification; MIG and arc welding; selecting and using hand tools; more advanced engineering lathe and milling machine work. All standards will be assessed holistically.

Entry Requirements	Course Endorsement	Contact	Cost
Level 1 Technology Engineering (achieving at least 14 credits) or HoD Approval	No	Mr Andy Evans aev@fdmc.school.nz Mr Steve Ritchie sri@fdmc.school.nz	\$425–\$450 Depending on the type of motorbike chosen.

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: A pre-trade training course, an apprenticeship or work in a trade.

L2 TECHNOLOGY WOOD

Description:

This NCEA course gives students the ability to achieve a selection of up to 15 Level 2 Competenz Unit Standard credits. The course covers a wide range of design and woodworking skills and knowledge that will be practised and then applied to two projects. The projects used to deliver the standards could include an Adirondack chair, media unit, storage rack, bedside cabinet, coffee table among others.

Entry Requirements	Course Endorsement	Contact	Cost
Level 1 Technology Wood or HoD Approval.	No	Mr Andy Evans aev@fdmc.school.nz	\$150

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Level 3 Technology Wood, a pre-trade training course, apprenticeship or work in a trade.

L2 TE REO MĀORI

Description:

Offered through Te Kura Correspondence School, this course builds on vocabulary and sentence structures from Level 1. The key language skills (Pānui, Kōrero, Tuhituhi and Whakarongo) are further developed. Topics covered in this course include: Nga Atua Māori, Toku Ao, He Huihuinga, Ko Te Ao Marama and Tangata Rongonui. The focus for Level 2 remains to further develop the student's capabilities in both written and spoken Māori.

Entry Requirements	Course Endorsement	Contact	Cost
Level 1 Te Reo Māori	Yes	Mrs Dorothy Lacanaria dla@fdmc.school.nz	N/A

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	6
Total Writing Credits	N/A	12

Leads to: Level 3 Māori – university level study in the field of Māori Studies.

Description:

Taranaki Trades Academy is a vocational qualification while still at school. Students can remain engaged in education, be assisted in transition from a secondary to tertiary learning environment and gain credits towards NCEA Level 2 and a tertiary qualification.

While at the Taranaki Trades Academy students learn in a practical and hands-on environment using industry standard equipment and technology relevant to their chosen career path. They will also develop the foundation skills they need to progress on to further study opportunities or move directly into employment. Students will attend a WITT course one day per week and will be timetabled into a Pathways class one period a day.

Entry Requirements	Possible Trades on Offer	Contact	Cost
Year 12 and 13 students who wish to be considered for Trades Academy must get a separate application form from the Careers Office.	Agriculture, Automotive, Barbering, Beauty and Makeup, Conservation skills, Cookery, Digital Media, Electrical, Engineering, Hairdressing, Joinery, Plumbing, Restaurant Service, and Sport and Fitness.	Mrs Kylie Read kre@fdmc.school.nz	N/A

Leads to: A head start on a Trades career while still at school and achieving NCEA.

L2 VISUAL ART – PAINTING
Description:

This course builds on the skills and techniques that have been introduced in Year 11 and previous Junior Art module courses. Students research artworks and artist models (historical and contemporary) to help scaffold their own inquiry for the construction of a two board portfolio, which is an external submission (12 credits). Two internal standards (4 credits each and an optional 4 credit standard, complete the course.

Entry Requirements	Course Endorsement	Contact	Cost
Level 1 Visual Art or HoD Approval	Yes	Mrs Jane Aitken Connolly jac@fdmc.school.nz	\$100.00

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Visual Arts subject choices in Year 13 / NCEA Level 3, of University Entrance Painting, Design or Photography.

L2 VISUAL ART – PHOTOGRAPHY

Description:

This NCEA Level 2 course introduces students to fundamental camera and darkroom techniques. Students will develop their work by engaging with both historical and contemporary artist models. The course is designed to build a strong foundation in photography while allowing students to gain 20 NCEA credits. Students will complete one external assessment: a two-board portfolio submission worth 12 credits, alongside two internally assessed standards, each worth 4 credits. The skills developed in this course will prepare students to confidently progress to NCEA Level 3 Photography the following year.

Entry Requirements	Course Endorsement	Contact	Cost
HoD Approval	Yes	Mrs Jane Aitken Connolly jac@fdmc.school.nz	\$100.00

UE Literacy Credits Available	Internal	External
Total Reading Credits	N/A	N/A
Total Writing Credits	N/A	N/A

Leads to: Level 3 Photography.



FRANCIS DOUGLAS MEMORIAL COLLEGE

A Catholic College in the tradition of the De La Salle Brothers

Enter to learn, leave to serve.

201 Tukapa Street

PO Box 5124

New Plymouth

Phone: 06 753 6149

Email: office@fdmc.school.nz

www.fdmc.school.nz