



# Senior Cycle Options

2017-2018

Presentation Secondary School  
Listowel  
Co. Kerry

Success depends on:

Attendance  
Homework  
Revision  
Reflective Subject Choice

Daily recommended time for Homework

Fifth Year - 2-3 hours Weekend 6-8 hours.

Sixth Year - 3-4 hours Weekend 10-12 hours.



# Homework/Study

## (THE ROAD TO FUTURE SUCCESS)

We provide a highly effective and professional system of after school study (subject to demand and resources) that aims to ensure students receive the maximum support and encouragement to complete both their homework and study.

We endeavor that each student has clear goals and targets in relation to their school work, in-house exams, state exams and future educational plans. There is an emphasis on making students aware of how to focus on short term and long term study plans through consistent revision.

### Daily Supervised Study

Monday/Tuesday	4.15 p.m. - 6.15 p.m.
Wednesday/Thursday/Friday	3.45 p.m. - 6.15 p.m.



**Leaving Certificate and Junior Certificate students are given Supervised Study during school time in the days immediately preceding the summer break.**

**The result of our study system sees very focused and satisfied students who feel in control of their own homework/study.**



## 5<sup>TH</sup> YEAR SUBJECT CHOICES

While every effort will be made to accommodate students' choice of subjects, we cannot guarantee any particular combination of subjects. The final choices offered are a reflection of student preferences- they are not predetermined.

The subject details given in the following pages are not intended to be exhaustive. Students with specific enquiries should always check with their Guidance Counsellor. If you wish to succeed at Senior Cycle there are some considerations that you need to keep in mind:

# CONSIDERATIONS IN CHOOSING SUBJECTS

Choosing your 5<sup>th</sup> year subjects requires **research, discussion, reflection and decision.**

When choosing subjects, consider the following:

## ABILITY/INTERESTS

Ability and interest are very important considerations as you will work harder and achieve more in subjects, which you enjoy.

## CAREERS

Some courses/careers have very specific subject entry requirements while others have very general entry requirements.

## RELEVANCE

Remember: not every subject has to have a specific relevance or use other than your enjoyment of the subject.

## KEEPING OPTIONS OPEN

Keep your range of subjects as broad as possible (bearing in mind your interest and ability in subjects.) Remember that current career preference may not reflect future career preference.

- 
- **Pick subjects you have enjoyed to date, subjects that you have good results in to date.**
  - **Never pick a subject because your friends are doing that subject, be true to your interests in choosing your subject options, and do not hesitate to ask for advice.**
  - **Subject Choice should not depend on what teacher is teaching a certain subject at Leaving Certificate Level.**



## LEAVING CERTIFICATE SUBJECTS

### Core Subjects

Irish, English, Maths

### Science Group

Chemistry, Physics, Biology, Ag. Science

### Business Studies Group

Accounting, Business

### Applied Science Group

Home Economics, Design & Communication Graphics

### Humanities Group

History, Geography, Art, Music, Religious Education.

**Available at St. Michael's College**

*Engineering, Construction Studies*

- Each student is responsible for researching the subject requirements for courses in Third Level Colleges.
- This information is available from College Prospectus + websites.
- Some useful websites to help you are:
  - [www.qualifax.ie](http://www.qualifax.ie)
  - [www.careerdirections.ie](http://www.careerdirections.ie)
  - [www.careersportal.ie](http://www.careersportal.ie)
  - [www.cao.ie](http://www.cao.ie)



# IRISH

<p><b>Irish is compulsory for all students unless they have had an exemption from Irish at Junior Level.</b></p> <p><b>To study Irish at higher level it is recommended that students should have studied, sat and passed Higher Junior Certificate Irish.</b></p>				
<i>Aim</i>	<ul style="list-style-type: none"> <li>• Instill a love of Irish</li> <li>• Understand the spoken language</li> <li>• Understand the written language</li> <li>• Communicate in the spoken language</li> <li>• Communicate in the written language</li> <li>• Have an awareness of Irish culture and civilization</li> </ul>			
<i>Course Content</i>	<p style="text-align: center;">E.g.</p> <ul style="list-style-type: none"> <li>• 1/3 Autobiography – A Thig ná Tit Orm</li> <li>• 5 Poems common to Ordinary &amp; Higher</li> <li>• 5 prose stories which may include a short film or drama</li> <li>• Essay work, Comprehension and Aural Work</li> <li>• The oral is 40% + aural is 10% at Higher and Ordinary Level.</li> </ul>			
<i>Useful for</i>	<ul style="list-style-type: none"> <li>• Translator</li> <li>• Journalist</li> <li>• <b>Teaching*</b></li> </ul>	<ul style="list-style-type: none"> <li>• Secretary</li> <li>• Law</li> <li>• Acting</li> </ul>	<ul style="list-style-type: none"> <li>• Any job in Gaeltact</li> <li>• Army</li> </ul>	<ul style="list-style-type: none"> <li>• Politics</li> <li>• Broadcasting</li> <li>• Journalism</li> </ul>
<i>Essential for</i>	<p><i>* Primary Teaching</i></p> <p><i>Mary Immaculate College</i></p> <p><i>Colaiste Mhuire Marino</i></p> <p><i>St. Patricks College, Dromcondra</i></p> <p><i>Froebel College</i></p> <p><i>Education &amp; Psychology – Primary Teaching Mary Immaculate</i></p> <p>For further list of courses requiring Higher Level Irish see <b>Appendix 1*</b></p>			<p><u>Essential</u></p> <p><u>Grade</u></p> <p><i>HC3</i></p> <p><i>HC3</i></p> <p><i>HC3</i></p> <p><i>HC3</i></p> <p><i>HC3</i></p>

**\*Always check college and course requirements carefully.**

# ENGLISH

<p><b>To study English at Higher Level a student must have obtained a D or higher in Junior Certificate Higher English.</b></p>				
<p><i>Course Content</i></p>	<ul style="list-style-type: none"> <li>• Composition</li> <li>• Comprehension</li> <li>• Shakespearean Text</li> <li>• Comparative Text including film</li> <li>• Prescribed Poetry</li> <li>• Unseen Poetry</li> </ul>			
<p><i>Useful for</i></p>	<ul style="list-style-type: none"> <li>• Actor</li> <li>• Journalist</li> <li>• Translator</li> <li>• Teacher</li> <li>• Broadcaster</li> <li>• Speech therapist</li> <li>• Copywriter</li> </ul>	<ul style="list-style-type: none"> <li>• Solicitor</li> <li>• Barrister</li> <li>• Secretary</li> <li>• Librarian</li> <li>• Psychologist</li> <li>• Marketing</li> <li>• Public Relations</li> </ul>	<ul style="list-style-type: none"> <li>• Author</li> <li>• Editor</li> <li>• Interpreter</li> <li>• Film &amp; TV production</li> <li>• Counsellor</li> <li>• Copywriter</li> <li>• Historian</li> </ul>	<ul style="list-style-type: none"> <li>• Playwright</li> <li>• Translator</li> <li>• Literature critic</li> <li>• Psychiatrist</li> <li>• Social worker</li> <li>• Lecturer</li> </ul>
<p><i>Essential for</i></p>	<p>Some courses require a certain grade in English e.g. Journalism / English courses often require HB3 in Leaving Cert English. *</p>			



**\* Always check college and course requirements carefully.**



# MATHS

**To study Mathematics at Higher Level a student must have completed Junior Certificate Higher Mathematics and have achieved an A, B or C at Higher Level.**

**We strongly recommend all students to follow the recommendation of their teachers. If during the course of senior cycle a student, after consultation with a teacher or on the recommendation of a teacher, wishes to change from higher to ordinary level she must complete a “change of Level” form which will be signed by the student, parents/guardian, teachers and Principal. A copy of this form will be posted home. Likewise students not having the ability to pass the ordinary level are recommended to do the Foundation level.**

Course Content	<u>HIGHER / ORDINARY / FOUNDATION</u>			
	<p><u>STRAND 1</u></p> <ul style="list-style-type: none"> <li>• Statistics &amp; Probability</li> </ul> <p><u>STRAND 2</u></p> <ul style="list-style-type: none"> <li>• Geometry <span style="font-size: 2em; vertical-align: middle;">{</span> <ul style="list-style-type: none"> <li>Co-Ordinate <span style="font-size: 1.5em; vertical-align: middle;">{</span> <ul style="list-style-type: none"> <li>Line</li> <li>Grid</li> </ul> </li> <li>Theorems ——— Proof / Constructions</li> <li>Trigonometry</li> </ul> </li> </ul> <p><u>STRAND 3</u></p> <ul style="list-style-type: none"> <li>• Number</li> </ul> <p><u>STRAND 4</u></p> <ul style="list-style-type: none"> <li>• Algebra</li> </ul> <p><u>STRAND 4</u></p> <ul style="list-style-type: none"> <li>• Functions</li> </ul> <p style="text-align: center; margin-top: 10px;"><i>At Higher Level topics are studied in greater detail</i></p>			
useful for	<ul style="list-style-type: none"> <li>• Accountancy</li> <li>• Actuary</li> <li>• Architect</li> <li>• Engineer</li> <li>• Banking</li> <li>• Medicine</li> <li>• Computing</li> <li>• Pharmacy</li> </ul>	<ul style="list-style-type: none"> <li>• Psychology</li> <li>• Taxation</li> <li>• Teaching</li> <li>• Auditor</li> <li>• Chemist</li> <li>• Economist</li> <li>• Stockbroker</li> <li>• Statistician</li> </ul>	<ul style="list-style-type: none"> <li>• Physicist</li> <li>• Auditor</li> <li>• Insurance agent</li> <li>• Microbiologist</li> <li>• Computer programmer</li> <li>• Scientist</li> </ul>	<ul style="list-style-type: none"> <li>• Quantity surveyor</li> <li>• Surveyor</li> <li>• University lecturer</li> <li>• Investment banking</li> <li>• Biochemist</li> </ul>
Essential	Several Engineering / Maths / Science Degrees require <b>Honours</b>			

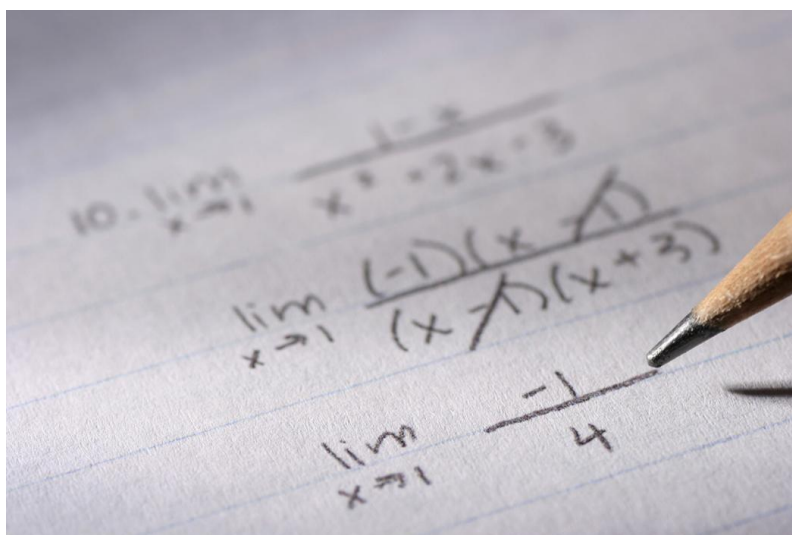
for	<p><b>Maths</b> (for full list see <b>Appendix 2</b>).*</p> <p>It must also be noted that there are over 1,100 courses that you can do <b>without</b> Honours Maths. To view this list visit: <a href="http://www.qualifax.ie">www.qualifax.ie</a>.</p>
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**NOTE:** Students should check that doing Foundation Level Maths will not have an adverse effect on their choice of 3rd level programme or career.

**Foundation Maths:** is accepted for many careers. The Gardai will accept a grade B for entry. Some colleges will allow it where Maths are not involved in the course but all students are advised to meet with the Guidance Counsellor before making any decision\*

**NOTE:** Leaving Certificate students who pass higher-level Maths will be rewarded with 25 CAO bonus points for university entry from 2012.

**\* Always check college and course requirements carefully.**



## FRENCH / GERMAN

<p><b>To study French at Higher Level it is desirable that a student would have achieved at least Grade C in the Junior Certificate Higher Paper. Higher and Ordinary German are studied in the same class.</b></p> <p><b>THIRD LANGUAGE REQUIREMENT:</b></p> <ul style="list-style-type: none"> <li>• <b>A Third language is required for entry to the National University of Ireland (NUI) colleges. For a list of these courses see P.49.</b></li> <li>•</li> </ul>	
<i>Aim</i>	<p>That students of French/German understand and communicate in the spoken and written language and that they have an awareness of French/German culture and civilization.</p>
<i>Course Content</i>	<ul style="list-style-type: none"> <li>• <b>Aural Comprehension:</b> - Candidates are required to listen to a tape recording in French/German and answer questions in English on what they have heard. H=20% O=25%</li> <li>• <b>Reading Comprehension:</b> - Involves understanding a written text and answering questions. Material at higher level will place greater demands on students. H=30% O=40%</li> <li>• <b>Written Exercises:</b> - Include letter-writing, expressing personal opinions and personal reactions, diary entries, e-mails, cloze tests and form-filling. H= 25% O=15%</li> <li>• <b>Oral Examination:</b> - General conversation based on the syllabus content. This covers such themes as personal life, school, social life, public life and topical issues. H=25% O =20%</li> </ul>
<i>Essential for</i>	<p>There are a total of 160 courses that definitely require a third language. To see the complete list of these courses visit: <a href="http://www.qualifax.ie">www.qualifax.ie</a></p> <ul style="list-style-type: none"> <li>• <b>Many colleges have a language requirement for specific courses such as European Studies, Law with a Language, Commerce with a Language etc.</b></li> </ul>

**\* Always check college and course requirements carefully.**

Courses that do not require the Third Language:

- Engineering & Agricultural courses at UCD; Engineering and Science courses at NUI Maynooth; Engineering and Science courses in NUI Galway (except GY304); Science, Engineering and Food Science in UCC.
- University of Limerick (UL): English and another language; Dublin City University (DCU): English or Irish; Trinity College Dublin (TCD): accepts a “language other than English” e.g. Irish.
- Students entering the National College of Art and Design may present the subject Art instead of the Third Language.
- Institutes of Technology accept English or Irish for entry purposes.
- NB: Students may be exempt from the Third Language on the grounds of a Specific Learning Difficulty such as Dyslexia. However in order to be granted this exemption for college a student must present (i) a School Record Form completed by the principal and (ii) a Certification Form completed by a qualified professional accompanied by a psychological assessment no more than 3 years old. Forms are available from the National University of Ireland, 49 Merrion Square, Dublin 2, or may be downloaded from [www.nui.ie](http://www.nui.ie).

*The learning difficulty should be brought to the attention of the Guidance Counsellor and Learning Support Teacher immediately.*

**LANGUAGES WOULD BE USEFUL FOR THE  
FOLLOWING CAREERS:**

Actor  
Anthropologist  
Archaeologist  
Archivist  
Army officer  
Bank officer  
Barrister  
Customs officer  
Politician  
Speech & language therapist  
Employment officer  
Exporter / importer  
Film critic  
Foreign affairs / trade officer  
Historian  
Hotel manager  
Human resource officer  
Interpreter  
Journalist  
Language teacher  
Solicitor

**Languages:  
French /  
German**

Public relations officer  
Ship's captain / officer  
Singer  
Social worker  
Solicitor  
Editor  
Subtitler  
Teacher  
Theatre critic  
Translator  
University lecturer  
Writer  
Immigration officer  
Childcare worker  
Librarian  
Linguist  
Musician  
Nurse  
Guard  
Primary teacher  
Library assistant

# BIOLOGY

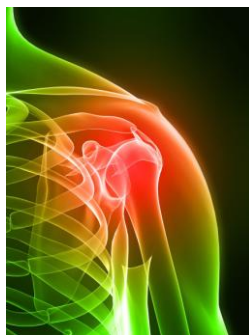
If you are thinking about doing Biology for Leaving Certificate, it is highly recommended that you would have studied the Junior Certificate Science Course. The Higher Level is taught in all classes. Generally there is no separate Ordinary Level class.

Students who fall behind in the class eventually opt for the Ordinary Level Paper themselves (or may be recommended by a teacher to do so).

A liking for the subject is essential.

Students need to have an interest in the investigative approach as Practical Work is an integral part of the Biology Syllabus. It is assessed in a special section of the written examination.

<p>Course Content</p>	<ul style="list-style-type: none"> <li>• Characteristics of life</li> <li>• Nutrition</li> <li>• Ecology</li> <li>• Cell</li> <li>• Genetics</li> <li>• Diversity of organisms</li> <li>• Body systems</li> </ul> <p>Students also undertake a range of practical work, laboratory work and fieldwork. <b>Assessment: 100% terminal exam in June</b></p>						
<p>Essential for</p>	<table border="0"> <tr> <td>Human Health and Disease</td> <td>TCD</td> <td>HC3*</td> </tr> <tr> <td>Genetics</td> <td>UCC</td> <td>HC3*</td> </tr> </table>	Human Health and Disease	TCD	HC3*	Genetics	UCC	HC3*
Human Health and Disease	TCD	HC3*					
Genetics	UCC	HC3*					



**\* Always check college and course requirements carefully.**

**BIOLOGY WOULD BE USEFUL FOR THE  
FOLLOWING CAREERS:**

Acupuncturist  
Agricultural engineer  
Agricultural scientist  
Agricultural technical officer  
Agronomist  
Ambulance officer  
Anaesthetist  
Anatomist  
Aquaculture technician  
Audiologist  
Biochemist  
Biological chemist  
Botanist  
Cardiac technologist  
Chiropractor  
Community nurse  
Dental hygienist  
Dentist  
Dietitian  
Ecologist  
Entomologist  
Environmental health officer  
Environmental scientist  
Ergonomist  
Farmer / farm manager  
Fisheries officer

Fitness instructor  
Food technologist  
Forensic scientist  
Forester  
Geneticist  
Health information manager  
Hospital manager  
Horticulturalist  
Landscape architect  
Life scientist  
Marine scientist

**Biology**

Medical imaging technologist  
Doctor  
Medical records administrator  
Medical scientist  
Rehabilitation counsellor  
Natural therapist  
Biology & Science teacher  
Speech & language therapist  
Midwife

Nutritionist  
Obstetrician  
Occupational health and  
safety officer  
Occupational therapist  
Oceanographer  
Optometrist  
Pathologist  
Pharmacist  
Physiotherapist  
Plastic surgeon  
Sports scientist  
University lecturer  
Vet  
Zoologist  
Nurse's aid  
Veterinary nurse  
Childcare assistant  
Psychiatrist  
Psychologist  
Radiation therapist  
Microbiologist  
Nurse  
Sports coach  
Sports psychologist  
Beauty therapist

# CHEMISTRY

If you are thinking about doing Chemistry for Leaving Certificate, it is highly recommended that you would have studied the Junior Certificate Science Course. The Higher Level is taught in all classes. Generally there is no separate Ordinary level class.

Students who fall behind in the class eventually opt for the Ordinary Level Paper themselves (or may be recommended by a teacher to do so).

A liking for the subject is essential.

<p>Course Content</p>	<ul style="list-style-type: none"> <li>• Periodic table and atomic structure</li> <li>• Bonding</li> <li>• Formulae and equations</li> <li>• Volumetric analysis</li> <li>• Fuels</li> <li>• Rates of reaction</li> <li>• Organic Chemistry</li> <li>• Environmental Chemistry</li> <li>• Industrial Chemistry</li> <li>• Materials</li> <li>• Acids and Bases</li> <li>• Chemical Equilibrium</li> </ul> <p><b>Assessment: 100% terminal exam in June</b></p>																
<p>Essential for</p>	<table border="0"> <tr> <td>Medicine (5 Year) RCSI</td> <td>HC<sub>3</sub></td> </tr> <tr> <td>Pharmacy (TCD)</td> <td>HC<sub>3</sub></td> </tr> <tr> <td>Pharmacy (UCC)</td> <td>HC<sub>3</sub></td> </tr> <tr> <td>Dentistry (UCC)</td> <td>HC<sub>3</sub></td> </tr> <tr> <td><b>Human Nutrition &amp; Dietetics (DIT)</b></td> <td><b>HC<sub>3</sub></b></td> </tr> <tr> <td>Veterinary Medicine (UCD)</td> <td>HC<sub>3</sub></td> </tr> <tr> <td>Medicine (UCC)</td> <td>HC<sub>3</sub></td> </tr> <tr> <td>Public Health Nutrition (DIT)</td> <td>HC<sub>3</sub></td> </tr> </table>	Medicine (5 Year) RCSI	HC <sub>3</sub>	Pharmacy (TCD)	HC <sub>3</sub>	Pharmacy (UCC)	HC <sub>3</sub>	Dentistry (UCC)	HC <sub>3</sub>	<b>Human Nutrition &amp; Dietetics (DIT)</b>	<b>HC<sub>3</sub></b>	Veterinary Medicine (UCD)	HC <sub>3</sub>	Medicine (UCC)	HC <sub>3</sub>	Public Health Nutrition (DIT)	HC <sub>3</sub>
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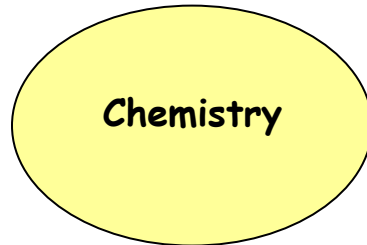
**\* Always check college and course requirements carefully.**



**CHEMISTRY WOULD BE USEFUL FOR THE  
FOLLOWING CAREERS:**

Chemical plant operator  
Dispensing assistant  
Textile technician  
Plastics fabricator  
Photographer  
Nurse  
Agricultural engineer  
Agricultural scientist  
Agronomist  
Ambulance officer  
Anaesthetist  
Biochemist  
Biotechnologist  
Medical lab technician  
Ceramics engineer  
Food processing technician  
Civil engineer  
Dietitian  
Ecologist  
Environmental engineer  
Environmental health officer  
Environmental scientist  
Farmer / Farm manager  
Food technologist  
Forensic scientist  
Forester  
Geneticist

Geologist  
Geophysicist  
Horticulturalist  
Horticultural scientist  
Industrial engineer  
Industrial radiographer  
Life scientist  
Marine scientist  
Zoologist  
Minerals process engineer



Teacher (secondary / third level)  
Sports scientist  
Sports medicine practitioner  
Aquaculture technician  
Podiatrist  
Plastic surgeon  
Physiologist  
Physicist  
Photographer  
Pharmacologist

Pathologist  
Doctor  
Optometrist  
Oceanographer  
Obstetrician  
Nutritionist  
Midwife  
Nuclear medicine  
Museum curator  
Vet  
Microbiologist  
Medical scientist  
Veterinary Nurse  
Botanist  
Gemmologist  
Chemist  
Beauty therapist  
Radiologist  
Draftsperson  
Chemical engineer  
Food science  
Industrial chemist  
Pharmacist  
Paramedic  
Research chemist  
Process engineer  
Forensic chemist

# PHYSICS

**If you are thinking about doing Physics for Leaving Certificate, it is highly recommended that you would have studied the Junior Certificate Higher Level Science Course and Junior Certificate Higher Level Maths Course.**

**The Higher Level is taught in all classes. Generally there is no separate Ordinary Level class.**

**Students who fall behind in the class eventually opt for the Ordinary Level Paper themselves (or may be recommended by a teacher to do so).**

**A liking for the subject, for problem solving and for practical investigations is essential – practical work is an integral part of the course and is assessed in a separate section of the examination paper.**

**Students who miss time from class get lost very easily and sometimes never succeed in catching up. Regular attendance and nightly study is absolutely essential for success.**

<p><i>Course Content</i></p>	<ul style="list-style-type: none"> <li>• Light</li> <li>• Mechanics</li> <li>• Pressure, Work, Energy, Power</li> <li>• Circular motion</li> <li>• Heat</li> <li>• Waves</li> <li>• Static &amp; Current Electricity</li> <li>• Domestic Circuits &amp; specific safety measures</li> <li>• Structure and working of silicon chip</li> <li>• Magnetic Fields &amp; magnetic effects</li> <li>• Generation &amp; Transmission of electricity</li> <li>• X Rays, Radiation</li> <li>• Radioactivity</li> <li>• Nuclear energy and power plants</li> </ul> <p><b>Assessment: 100% terminal exam in June</b></p>
<p><i>Essential for</i></p>	<p>Theoretical Physics                      TCD                      HB3</p>

**\* Always check college and course requirements carefully.**

**PHYSICS WOULD BE USEFUL FOR THE  
FOLLOWING CAREERS:**

Aerospace engineer  
Agriculture & resource economist  
Agricultural engineer  
Camera operator (film/TV)  
Agronomist  
Architect  
Astronomer  
Audiologist  
Biomedical engineer  
Biophysicist  
Biotechnologist  
Building contractor  
Cardiac technologist  
Cartographer  
Ceramics engineer  
Civil engineer  
Computer engineer  
Computer programmer  
Computer systems engineer  
Defence force officer  
Telecommunications engineer  
Electrical engineer  
Electronics engineer  
Environmental health officer  
Environmental scientist  
Ergonomist

Forensic scientist  
Forester  
Geographer  
Geologist  
Geophysicist  
Hydrologist  
Hydrographer  
Industrial designer  
Industrial radiographer  
Life scientist

**Physics**

Marine scientist  
Marine engineer  
Marine surveyor  
Materials engineer  
Mechatronic engineer  
Doctor  
Medical scientist  
Film & TV lighting operator  
Meteorologist

Microbiologist  
Mineralogist  
Mining engineer  
Naval architect  
Occupational health & safety officer  
Oceanographer  
Optometrist  
Patent examiner  
Petroleum engineer  
Pharmacist  
Physicist  
Physiotherapist  
Pilot  
Prosthetist  
Quantity surveyor  
Radiation therapist  
Radiographer  
Refrigeration engineer  
Science teacher  
Surveyor  
Dentist  
Town planner  
University lecturer  
Vet  
Lab assistant

PLEASE NOTE:

COURSES REQUIRING TWO SCIENCE SUBJECTS AS A  
MINIMUM ENTRY REQUIREMENT

<u>Essential for:</u>	<u>Level / Grade:</u>
Medicine (TCD)	See college prospectus for details
Medicine (5 Year) NUIG	“ “
Medicine (5 Year) RCSI	“ “
Dental Science (TCD)	“ “
Physiotherapy (TCD)	“ “
Pharmacy (TCD)	“ “
Science (TCD)	“ “
Human Genetics (TCD)	“ “
Dentistry (UCC)	“ “
Medicine (UCC)	“ “
Pharmacy (UCC)	“ “

***Note that while only a small number of courses require two Science subjects, it is advisable to choose two Science subjects if one is seriously interested in a Science based course.***

**THE SCIENCE REQUIREMENTS ARE VERY DETAILED SO  
PLEASE CHECK COLLEGE AND COURSE REQUIREMENTS  
BEFORE MAKING DECISIONS.**

# ACCOUNTING

**To study Accounting it is advisable to have completed Junior Certificate Business and taken the Higher-level paper.**

**Higher and Ordinary are studied in the same class.**

- **Need to enjoy Bookkeeping.**
- **Get satisfaction when the account balances.**
- **Be reasonably good at Maths.**
- **Be organised.**
- **Be accurate.**
- **Be prepared to be challenged.**

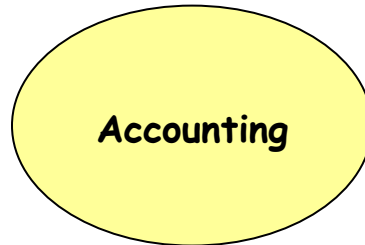
<i>Course Content</i>	<p>The Syllabus covers the following topics in two specific areas</p> <p><u>Financial Accounting</u></p> <ul style="list-style-type: none"> <li>● Control Accounts</li> <li>● Depreciation of Fixed Assets</li> <li>● Bank Reconciliation Statements</li> <li>● Final accounts of             <ol style="list-style-type: none"> <li>1. Sole Trader</li> <li>2. Company, both internal and published</li> </ol> </li> <li>● Correction of Errors</li> <li>● Clubs &amp; Service Firms</li> <li>● Farm accounts</li> <li>● Incomplete Records</li> <li>● Cash Flow Statements</li> <li>● Analysis &amp; interpretation of Accounts</li> <li>● Effects of Transaction on the Balance Sheet</li> </ul> <p><u>Management Accounting</u></p> <ul style="list-style-type: none"> <li>● Product Costing</li> <li>● Absorption Costing</li> <li>● Cost-volume-profit analysis</li> <li>● Budgeting</li> </ul> <p><b>Assessment: 100% terminal exam in June</b></p>
<i>Essential for</i>	<p>Commerce - Accounting                      NUIG                      HC1</p>

**\* Always check college and course requirements carefully.**

**ACCOUNTING WOULD BE USEFUL FOR THE FOLLOWING CAREERS:**

Accountant  
Auditor  
Compliance administrator  
Cost analyst  
Transportation fund manager  
Financial advisor  
Financial analyst  
Trustee administrator  
Tax consultant  
Materials logistic planner  
Information security specialist  
Business Analyst  
Economic analyst in financial sector  
Tourism industry  
Chartered accountant  
University lecturer  
Stockbroker firms  
Government departments  
Government agencies  
Airline industry

Advertising executive  
Public relations manager  
Buyer / planner  
Retail manager  
Logistics manager  
Marketing analyst  
Researcher  
Human resource specialist  
Management consultant  
Human resource manager



Management development  
Training co-ordinator  
Claims advisor

Risk consultant  
Bond specialist  
Investment banker  
Research assistant  
Funds manager  
Financial analyst  
Corporate banker  
Investment manager  
Taxation auditor  
Taxation advisor  
Teacher  
Tax accountant  
Equity trader  
Civil service manager  
Manager  
Compliance officer  
Insurance broker  
Banker  
Actuary

# BUSINESS

<p><b>To study Business a liking for the subject is essential. Higher and Ordinary are studied in the same class.</b></p>	
<p><i>Course Content</i></p>	<p><b><i>People</i></b>                      Consumers,Producers, Investors, Interest Groups,Employers,Employees, Industrial Relations.</p> <p><b><i>Enterprise</i></b>                      Entrepreneur, Management of Business Financial Management, Human Resource Management, Marketing, <i>Household</i> Management, Starting a Business, Running your own Business.</p> <p><b><i>Environment</i></b>                      Types of Business, Community Development Government and Business, International Business EU., Role of Information Technology In Business.</p> <p><b>Assessment: 100% terminal exam in June</b></p>
<p><i>Essential for</i></p>	<p>-----</p>



**\* Always check college and course requirements carefully.**

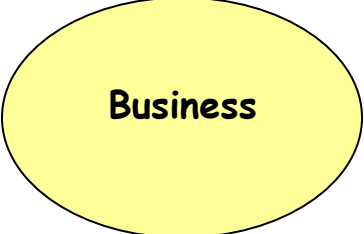
**BUSINESS WOULD BE USEFUL FOR THE FOLLOWING CAREERS:**

Accounts clerk  
 Bank officer (including building Society / credit union)  
 Call centre operator  
 Catering manager  
 Administrative assistant  
 Copywriter  
 Credit officer  
 Insurance broker  
 Employment officer  
 Export / import clerk  
 Exporter / importer  
 Farmer / Farm manager  
 Finance clerk  
 Hotel manager  
 Marketing / Sales rep  
 Valuer  
 Transport administrator  
 Trade union official  
 Tourism manager  
 Pensions administrator  
 Stockbroker's clerk  
 Stockbroker  
 Quality assurance inspector  
 Public relations officer  
 Property / resource manager  
 Estate Agent  
 Production manager

Personal assistant  
 Occupational health & safety officer  
 Multimedia developer  
 Marketing officer  
 Human resource manager  
 Industrial relations officer  
 IT manager  
 Investment analyst  
 Journalist  
 Management consultant

Market researcher  
 Economic analyst  
 Quantity surveyor  
 Sports administrator  
 Tourism manager  
 Trade analyst  
 Hospital administrator  
 Foreign affairs officer  
 Financial planner / manager  
 Financial journalist

Economist  
 Publisher  
 Computer systems auditor  
 Company secretary  
 Business systems analyst  
 Building contractor  
 Actuary  
 Accountant  
 Tax Accountant  
 Insurance agent  
 Receptionist  
 Auditor  
 Compliance administrator  
 Cost analyst  
 Banker  
 Financial Advisor / Analyst  
 Tax consultant  
 Information security  
 Business analyst  
 Brand manager  
 Teacher (secondary / third level)  
 Advertising executive  
 Researcher  
 Training co-ordinator  
 Marketing analyst  
 Recruitment consultant  
 Manager  
 Airline industry





# DESIGN & COMMUNICATION GRAPHIC

Should a student who has not studied Technical Graphics for Junior Certificate wish to study it for Leaving Certificate it would be essential for the student to study it during Transition Year. A student would be required to put in quite an amount of extra time to cover basics in the subject. Having observed the progress and willingness of the student to put in extra effort the teacher will be in the position to advise the student re studying the subject for Leaving Certificate.

5<sup>th</sup> Year classes are of mixed ability and, based on progress, test results and the result of the Mock Leaving Certificate the student will be advised, if necessary, to take the Ordinary Level paper in the Leaving Certificate.

<i>Course Content</i>	<p style="text-align: center;"><b>Assessment: 60% Examination 40% Project on Solidworks</b></p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>(A) Plane &amp; Descriptive Geometry</p> <ul style="list-style-type: none"> <li>• Projection Systems</li> <li>• Plane Geometry</li> <li>• Conic Sections</li> <li>• Descriptive Geometry of Lines and Planes</li> <li>• Intersection and Development of Surfaces</li> </ul> </td> <td style="width: 10%; text-align: center; vertical-align: middle;"><b>CORE AREAS OF STUDY</b></td> <td style="width: 40%; vertical-align: top;"> <p>(B) Communication of Design &amp; Computer Graphics</p> <ul style="list-style-type: none"> <li>• Graphics in Design and Communication</li> <li>• Communication of Design</li> <li>• Freehand Drawing</li> <li>• Information and Communication Technologies</li> </ul> </td> </tr> </table> <p style="text-align: center; font-size: 2em;">+</p> <table border="1" style="width: 100%; margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"> <p><b>OPTIONAL AREAS OF STUDY</b> <b>Applied Graphics</b> Two options to be studied</p> <ul style="list-style-type: none"> <li>• Dynamic Mechanisms</li> <li>• Structural Forms</li> <li>• Geologic Geometry</li> <li>• Surface Geometry</li> <li>• Assemblies</li> </ul> </td> </tr> </table>	<p>(A) Plane &amp; Descriptive Geometry</p> <ul style="list-style-type: none"> <li>• Projection Systems</li> <li>• Plane Geometry</li> <li>• Conic Sections</li> <li>• Descriptive Geometry of Lines and Planes</li> <li>• Intersection and Development of Surfaces</li> </ul>	<b>CORE AREAS OF STUDY</b>	<p>(B) Communication of Design &amp; Computer Graphics</p> <ul style="list-style-type: none"> <li>• Graphics in Design and Communication</li> <li>• Communication of Design</li> <li>• Freehand Drawing</li> <li>• Information and Communication Technologies</li> </ul>	<p><b>OPTIONAL AREAS OF STUDY</b> <b>Applied Graphics</b> Two options to be studied</p> <ul style="list-style-type: none"> <li>• Dynamic Mechanisms</li> <li>• Structural Forms</li> <li>• Geologic Geometry</li> <li>• Surface Geometry</li> <li>• Assemblies</li> </ul>
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<p><b>OPTIONAL AREAS OF STUDY</b> <b>Applied Graphics</b> Two options to be studied</p> <ul style="list-style-type: none"> <li>• Dynamic Mechanisms</li> <li>• Structural Forms</li> <li>• Geologic Geometry</li> <li>• Surface Geometry</li> <li>• Assemblies</li> </ul>					
<i>Essential for</i>	<p>It is not an essential requirement for entry into architecture or engineering, however it is an essential component of most technical courses.</p>				

**\* Always check college and course requirements carefully.**

**DESIGN & COMMUNICATION GRAPHICS WOULD  
BE USEFUL FOR THE FOLLOWING CAREERS:**

Architect  
Interior designer  
Computer networks manager  
University lecturer  
Naval architect  
Cartographer  
Draftsperson  
Mechanical engineer  
Civil engineer  
Structural engineer  
Quantity surveyor  
Mechatronic engineer  
Civil engineering technician  
Architectural technician  
Army officer  
Website designer  
Computer engineer  
IT support technician  
Building constructor  
Electrical engineer  
Electronic engineer  
Manufacturing technologist  
Surveyor's assistant  
Town planning drafter  
Marine engineer  
Aeronautical engineer

**Design &  
Communication  
Graphics**

Biomedical engineer  
Sports engineer  
Forensic engineering  
Design consultancy  
Teacher  
Scientist  
Researcher  
Property developer  
Construction engineer  
Construction management  
Facilities management  
Project management  
Manufacturing engineer  
Design engineer  
Industrial designer  
Occupational health &  
safety officer  
Industrial radiographer  
Toolmaker  
Product developer  
Quality controller  
Production engineer  
Energy management  
Energy engineer  
Natural resource manager  
Surveyor

## HOME ECONOMICS (SOCIAL & SCIENTIFIC)

**It is preferable to have studied Home Economics for Junior Certificate. 5<sup>th</sup> Year Classes are mixed ability. All students are encouraged to achieve their potential. Based on observation and test results students are encouraged during the latter stages in 6<sup>th</sup> Year to take the Ordinary Level paper if necessary in the Leaving Certificate Exam.**

**The Home Economics Syllabus covers the following topics**

<i>Course Content</i>	<b>Core Section</b>
	<p><u>Food Studies:</u></p> <ul style="list-style-type: none"> <li>• Food Science and Nutrition,</li> <li>• Diet and Health</li> <li>• Food Commodities e.g. Meat, Milk, Cheese, Fruit.</li> <li>• Meal Planning &amp; Preparation</li> <li>• Irish Diet &amp; Food Industry</li> <li>• Food Processing</li> <li>• Microbiology, Food Spoilage &amp; Food Preservation</li> <li>• Food Safety &amp; Hygiene</li> </ul> <p><u>Resource Management and Consumer Studies:</u></p> <ul style="list-style-type: none"> <li>• Family Resource Management</li> <li>• Management of Household Finances</li> <li>• Housing Finance</li> <li>• Textiles</li> <li>• Consumer Studies</li> <li>• Household Technology</li> </ul> <p><u>Social Studies:</u></p> <ul style="list-style-type: none"> <li>• Study of Family and Family Law</li> <li>• Marriage,</li> <li>• Family as a caring unit</li> </ul> <p style="text-align: center;"><b>Electives</b></p> <p>There are 3 electives, from which 1 is chosen.</p> <ol style="list-style-type: none"> <li>1. Home Design and Management.</li> <li>2. Social Studies.</li> <li>3. Textiles Fashion and Design.</li> </ol> <p><b>Assessment:</b></p> <p style="text-align: center;"><b>Food Studies Practical-                      Coursework Journal 20%</b> <b>Written – 80%</b></p>
<i>Essential for</i>	-----

**\* Always check college and course requirements carefully.**

**HOME ECONOMICS WOULD BE USEFUL FOR THE FOLLOWING CAREERS:**

Cake decorator  
Production controller  
Childcare assistant  
Community educator  
Consumer advisor  
Cook / Chef  
Cookery demonstrator  
Costume designer  
Craft instructor  
Craftsperson  
Creche attendant  
Events co-ordinator  
Fashion co-ordinator  
Textile designer  
Food process worker  
Instore demonstrator  
Travel & tourism officer  
Youth worker  
Childcare worker  
Pastry chef  
Quality control officer  
Interior designer  
Guest relations officer  
Human resource manager

University lecturer  
Product designer  
Teacher's assistant  
Health promotion officer  
Occupational therapist  
Production controller  
Public relations officer  
Social worker  
Speech therapist  
Early childhood teacher  
  
Primary teacher  
Home Economics teacher  
Adult education  
Community development officer  
Hospitality consultant  
Hospital catering consultant  
Food technologist

Secondary teacher  
Dietitian  
Nurse  
Health educator  
Food technologist  
Food journalist  
Nutritionist  
Hotel manager  
Architect  
Market researcher  
Photographer  
Caterer  
Carer  
Retail manager  
Retail buyer  
Nanny  
Personal shopper  
Hotel receptionist  
Beautician  
Food scientist  
Kitchen assistant  
Waitress  
Deli assistant  
Social carer

**Home  
Economics**

# HISTORY

<p>The following, while not essential, are considered beneficial to students studying History:</p> <ul style="list-style-type: none"> <li>• A natural curiosity about the world in which we live and how the past influenced the way we live today</li> <li>• An enjoyment of reading</li> <li>• A reasonable standard of English</li> <li>• An interest in Politics / how our society works</li> </ul> <p>Higher and Ordinary Level are studied in the same class.</p>	
<p>Course Content</p>	<p><i>Students are requested to pre-submit a research project, which is worth 20% of the overall Leaving Cert. marks.</i></p> <p><i>Students cover four options, one of which is prescribed for study through the use of historical documents.</i></p> <p><i>The following are some of the options:</i></p> <ul style="list-style-type: none"> <li>• <i>The pursuit of sovereignty in Ireland 1912 – 1949</i></li> <li>• <i>The United States and the world 1945 – 1989</i></li> <li>• <i>Politics &amp; Society in Northern Ireland 1949 – 1993</i></li> <li>• <i>European retreat from empire 1945 - 1990</i></li> </ul> <p><i>Each option is studied through a number of perspectives:</i></p> <ul style="list-style-type: none"> <li>▪ <i>Political &amp; Administrative</i></li> <li>▪ <i>Social &amp; Economic</i></li> <li>▪ <i>Cultural &amp; Religion</i></li> </ul> <p><b>Assessment: Terminal written exam: 80%</b>  <b>Report on a research study: 20%</b></p>
<p>Useful for</p>	<p>Law, Business courses, Archaeology, Teaching, Journalism, Human Resources, Tourism and Heritage, Media Studies, Politics, Social Studies and research programmes.</p>
<p>Essential for</p>	<p>-----</p>

**\* Always check college and course requirements carefully.**

**HISTORY WOULD BE USEFUL FOR THE  
FOLLOWING CAREERS:**

Anthropologist  
Archaeologist  
Archivist  
Army officer  
Art critic  
Art historian  
Tourist information officer  
Barrister  
Conservator  
Cultural heritage officer  
Politician  
Administrative assistant  
Film & TV producer  
Film, stage & TV director  
Foreign affairs & trade officer  
Historian  
Industrial relations officer  
Journalist  
Solicitor  
Legal secretary  
Legal executive  
Librarian

**History**

Publisher  
Records manager  
Researcher  
Script writer  
Teacher  
University lecturer  
Writer  
Travel consultant  
Tour guide  
Author  
Library assistant  
Editor  
Museum curator  
Photographer  
Playwright  
Political scientist  
Actor  
Artist  
Criminologist  
Detective  
Psychologist  
Law clerk

# GEOGRAPHY

**Very varied programme. To study Geography for Leaving Certificate a liking for the subject is essential. Higher and Ordinary Level is studied in the same class.**

<i>Course Content</i>	<p><u>Physical Geography(Compulsory)</u></p> <ul style="list-style-type: none"> <li>❖ Rocks</li> <li>❖ Weathering &amp; Erosion</li> <li>❖ Mass Movement</li> <li>❖ Plate Tectonics</li> </ul> <p><u>Regional Geography (Compulsory)</u></p> <ul style="list-style-type: none"> <li>❖ Ireland – Core/Periphery</li> <li>❖ Paris European Core Region</li> <li>❖ Mezzogiorno (Peripheral Region)</li> <li>❖ South West America</li> </ul> <p><u>Economic Geography (Elective)</u></p> <ul style="list-style-type: none"> <li>❖ Levels of economic development</li> <li>❖ Ireland and the EU</li> <li>❖ The environment</li> </ul> <p><u>Geo ecology (Option – Higher Level Only)</u></p> <ul style="list-style-type: none"> <li>❖ Soils</li> <li>❖ Desert Biome</li> </ul> <p><u>Short Questions</u> Physical/Regional/Photographs/Maps /Graphs 10 questions out of 12 to be answered.</p> <p><b>Assessment: Terminal written examination: 80%</b> <b>Geographical investigation: 20%</b></p>
<i>Essential for</i>	-----

**\*Always check college and course requirements carefully.**

**GEOGRAPHY WOULD BE USEFUL FOR THE  
FOLLOWING CAREERS:**

Agricultural & resource economist  
Agricultural scientist  
Tour guide  
Anthropologist  
Archaeologist  
Botanist  
Cartographer  
Civil engineer  
Demographer  
Ecologist  
Environmental scientist  
Exporter / importer  
Farmer / farm manager  
Foreign affairs / trade officer  
Forester  
Geographer  
Geological engineer  
Geologist  
Geophysicist  
Historian  
Hydrographer  
Hydrologist  
Hydrogeologist  
Journalist  
Landscape architect  
Marine scientist

**Geography**

Market researcher  
Meteorologist  
Mine surveyor  
Mining engineer  
Natural resource manager  
Park ranger  
Photographer  
Pilot  
Estate agent  
Geography teacher  
University lecturer  
Photographer  
Tourism officer  
Travel agent  
Tourist information officer  
Marine biologist  
Miner  
Ship's captain / officer  
Sociologist  
Statistician  
Surveyor  
Town planner  
Trade analyst  
Zoologist  
Town planning  
Draftsperson



# ART

<p><b>To study Art a student must have completed the Junior Certificate Art Programme. For those who have not done so the following procedures must be followed:</b></p> <ul style="list-style-type: none"> <li>➤ <b>The Art teacher will examine sketches from 1<sup>st</sup> Year.</b></li> <li>➤ <b>The Student will be given an assignment to complete.</b></li> <li>➤ <b>A liking for English essay writing or History is essential as 37.5% of the Leaving Certificate Course is written.</b></li> </ul>									
<p><i>Course Content</i></p>	<p>Art involves:</p> <ul style="list-style-type: none"> <li>▪ <b>Still Life/ Imaginative Composition &amp;</b></li> <li>▪ <b>Craft Work</b> (Revised Framework Practical work will be completed within class time over 10 weeks from January of 6<sup>th</sup> year)</li> <li>▪ Life Sketching (exam in May)</li> <li>▪ History and Appreciation of Art. (Exam in June)</li> </ul>								
<p><i>Essential for</i></p>	<ul style="list-style-type: none"> <li>• Many IT's and Art colleges require Leaving Certificate Art as a minimum requirement. E.g.</li> </ul> <p>Design –</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Visual Communications</td> <td style="width: 10%;">WIT</td> <td style="width: 10%;">Art</td> <td style="width: 30%;">OB<sub>3</sub> / HC<sub>3</sub></td> </tr> <tr> <td>Visual Arts</td> <td>WIT</td> <td>Art</td> <td>OB<sub>3</sub> / HC<sub>3</sub></td> </tr> </table> <ul style="list-style-type: none"> <li>• A portfolio is an essential requirement for most Art courses. The guidance of an Art teacher is essential in its preparation.</li> <li>• Recommended by some schools of Architecture.</li> </ul> <p><b>Assessment: All the practical work (2/3<sup>rd</sup>) of the paper is completed in May; the remaining 1/3<sup>rd</sup> (History of Art) is completed in June</b></p>	Visual Communications	WIT	Art	OB <sub>3</sub> / HC <sub>3</sub>	Visual Arts	WIT	Art	OB <sub>3</sub> / HC <sub>3</sub>
Visual Communications	WIT	Art	OB <sub>3</sub> / HC <sub>3</sub>						
Visual Arts	WIT	Art	OB <sub>3</sub> / HC <sub>3</sub>						

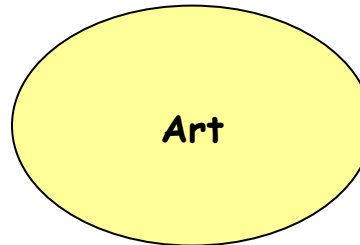


**\*Always check college and course requirements carefully.**

**ART WOULD BE USEFUL FOR THE FOLLOWING CAREERS:**

Advertising executive  
Animator  
Archaeologist  
Architect  
Art critic  
Artist  
Art gallery director  
Art historian  
Art administrator  
Arts & cultural planner  
Cartographer  
Cartoonist  
Conservator  
Costume designer  
Craft instructor  
Craftsperson  
Cultural heritage officer  
Director of photography  
Display artist  
Fashion designer  
Graphic artist  
Graphic designer  
Illustrator  
Industrial designer  
Interior designer  
Landscape architect

Multimedia developer  
Museum curator  
Naval architect  
Occupational therapist  
Photographer  
Soft furnishing maker  
Recreation officer  
Sculptor  
Set / image designer  
Teacher - art / music



Textile's designer  
Theatrical costume maker & designer  
Town planner  
University lecturer  
Diamond cutter / polisher  
Web designer / developer  
Draftsperson  
Fashion co-ordinator  
Film & TV lighting operator

Model maker  
Personal shopper  
Beauty therapist  
Nail technician  
Jeweller  
Make-up artist  
Chef  
Pastry chef  
Painter / decorator  
Milliner  
Printer  
Signwriter  
Silversmith  
Potter  
Stonemason  
Tailor  
Tiler  
Wood turner  
Wood carver  
Hairdresser  
Glass craftsperson  
Florist  
Engraver  
Dressmaker  
Valuer  
Toymaker

# MUSIC

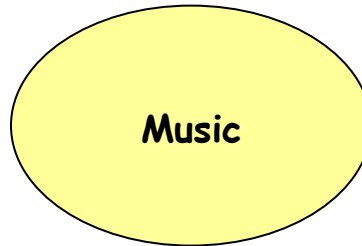
<p><b>Students wishing to study Music who have not completed the Junior Certificate Programme must</b>  <b>be able to read Music and have a knowledge of keys.</b>  <b>Or</b>  <b>Must have learnt an instrument recently.</b></p>	
<p><i>Course Content</i></p>	<p>Music involves</p> <ul style="list-style-type: none"> <li>• <b><u>Performing</u></b>, singing or playing individually  <b>or</b>  as a member of a musical group  <b>or</b>  rehearsing and conducting a musical group  <b>or</b>  music technology</li> </ul> <p><b>AND</b></p> <p>singing or playing a sight-reading test <b>or</b> an aural memory test or an unprepared improvisation</p> <p>*Students have the option to do a 50% practical elective</p> <ul style="list-style-type: none"> <li>• <b><u>Composing</u></b>: Melody and Harmony</li> <li>• <b><u>Listening</u></b>: Four set works, Irish music and unheard aural pieces.</li> </ul>
<p><i>Essential for</i></p>	<p>Religious Education +  Music 2<sup>nd</sup> Level Teaching (Mater Dei) HC3</p> <ul style="list-style-type: none"> <li>• Recommended for B.Mus./B.A. with Music in all colleges</li> <li>• Most colleges have a special assessment test for applicants to Music (written, audition and interview)</li> </ul>



**\*Always check college and course requirements carefully.**

**MUSIC WOULD BE USEFUL FOR THE FOLLOWING CAREERS:**

Musician  
Composer  
Lyricist  
Performer  
Conductor  
Dancer  
Teacher  
Music therapist  
University lecturer  
Actor  
Singer  
Music technologist  
Arts administrator  
Choreographer  
DJ  
Journalist  
Record producer  
Community education  
TV/Radio work  
Music producer



Childcare worker  
Social worker  
Music publisher  
Occupational therapist  
Writer  
Music journalist  
Sales assistant  
Theatre production  
Dramatist  
Film critic  
Photographer  
Writer  
Film & TV producer  
Script writer  
Multimedia developer  
Primary teacher  
Music distribution  
Sound technician  
Dance producer  
Music critic

# RELIGIOUS EDUCATION

**Building on the Junior Certificate Religious Education Course students will develop the skills of critical questioning and reflective thinking.**

**The following, while not essential would be beneficial to students studying Religious Education.**

- **A natural curiosity about the world in which we live.**
- **An interest in Justice and Justice Issues??**
- **A reasonable standard of English**
- **An interest in Politics/Current Affairs/Social Affairs**
- **An interest in reading.**

<p><i>Course Content</i></p>	<p>Students are requested to pre-submit a research project which is worth 20% of the overall Leaving Certificate marks.</p> <p>“The Search for Meaning and Values in life” is a compulsory topic.</p> <p><b>Students will study 2 of the following topics:</b></p> <ul style="list-style-type: none"> <li>• Christianity: origins and contemporary expressions.</li> <li>• World religions.</li> <li>• The nature of morality.</li> </ul> <p><b>Students will study 1 of the following topics:</b></p> <ul style="list-style-type: none"> <li>• The development and diversity of belief.</li> <li>• The Bible: literature and sacred text.</li> <li>• The principles of a just society.</li> <li>• The implications of scientific progress.</li> <li>• Religion and gender.</li> <li>• Worship, prayer and ritual.</li> </ul> <p><b>Assessment: Terminal written examination: 80%</b>  <b>Coursework: 20%</b></p>
<p><i>Essential for</i></p>	<p>-----</p>

**\* Always check college and course requirements carefully.**

**RELIGION WOULD BE USEFUL FOR THE  
FOLLOWING CAREERS:**

Religion Teacher  
University lecturer  
Actor  
Anthropologist  
Archivist  
Author  
Counsellor  
Theologian  
Historian  
Industrial relations officer  
Librarian  
Youth worker  
Psychiatrist  
Psychologist  
Public relations officer  
Rehabilitation counsellor  
Social worker  
Sociologist  
Natural resource manager  
Journalist  
Work for NGO

**Religion**

Human rights activist  
Welfare worker  
Occupational therapist  
Nurse  
Vocation - Priest / Nun  
Primary teacher  
Charity worker  
Childcare worker  
Solicitor  
Barrister  
Legal secretary  
Social carer  
Environmentalist  
Voluntary work  
Carer  
Psychotherapist  
Publisher  
Author  
Editor  
Ecologist  
Artist

# Agricultural Science

## Subject Overview

Agricultural science is the study of the science and technology underlying the principles and practices of agriculture. It aims to develop knowledge, skills and attitudes concerning the factors that affect the long-term well-being of agricultural resources, and places emphasis on the managed use of these resources.

## Content

The course consists of the study of a variety of aspects of agriculture under the following headings:

- Soils
- The general structure and function of plants
- Farm crops - cereal and roots
- Farm crops - grassland
- Trees and shelter
- Structure and function of the animal body
- The cow, the sheep, horse, and pig
- Farm buildings (for school assessment only)
- Farm-house environment (for school assessment only)

## Assessment

The examination in Agricultural Science consist of (a) a terminal examination paper and (b) an assessment of the work of the candidate during the course under the headings: identification of plant and animal types associated with agriculture; practical experience with crops, livestock, house and farmyard layouts; investigations carried out related to ecology, soil science, animal physiology, plant physiology, genetics and microbiology. Agricultural Science at Leaving Certificate level is marked out of a total of 400 marks. A total of 300 marks (75%) is allocated to the terminal written examination and 100 marks (25%) to the coursework component.

## Careers with Agricultural Science

- Farm or ranch manager
- Food scientist
- Food marketing expert
- Agricultural analyst
- Community planning consultant
- Conservationist
- Agricultural technology trainer
- Field representative
- Agribusiness sales manager
- Agriculture journalist
- Livestock Management
- Agricultural Research
- Soil Scientist

THE FOLLOWING APPLIED SCIENCE SUBJECTS ARE AVAILABLE  
AT ST. MICHAEL'S COLLEGE:

## Engineering

### Subject Overview

Engineering promotes an educational understanding of the materials and a knowledge of the processes associated with mechanical engineering. This is achieved through the development of skills and initiative in the planning, development and realization of technological projects in a safe manner.

### Content

### Workshop Processes

- Health and safety
- Benchwork
- Heat treatment of metals



- Plastics processing
- Fabrication and finishing of metals
- Machining
- Technology

### Materials and Technology

- Health and safety
- Classification and origin of metals
- Structure of metals
- Iron and steel
- Non-ferrous metals
- Heat treatment of metals
- Corrosion of metals
- Materials testing
- Plastics
- Joining of materials
- Machining
- Metrology

### Manufacturing Processes Technology

### **Assessment**

Engineering is assessed at both Ordinary level and Higher level by means of a terminal examination paper, a student project and a practical examination.

## Construction Studies

### **Subject Overview**

Construction Studies introduces students to the knowledge and skills associated with construction technology and construction materials and practices. This is achieved through theoretical study and integrated practical projects which provide a basis for the thorough exploration of materials and processes

### **Content**

#### ***Part I - Construction Theory and Drawing***

- General principles

- Substructure
- Superstructure
- Internal construction
- Services and external works
- Heat and thermal effects in buildings
- Illumination in buildings
- Sound in buildings

### ***Part II - Practical Skills***

- Tools
- Processes

### ***Part III - Course Work and Projects***

- Workshop/laboratory experiments
- Student projects

### **Assessment**

Construction Studies is assessed at both Ordinary level and Higher level by means of a terminal examination paper, a practical test and a student project.

TRANSITION YEAR SUBJECT CHOICE  
CHECKLIST  
3<sup>rd</sup> Year Students



Subject	Good at	Enjoy it	Needed for my career
French			
German			
Chemistry			
Physics			
Biology			
Accounting			
Business			
Home Economics			
D&CG			
History			
Geography			
Art			
Music			
Religious Education			
<b>These subjects will be available at St. Michael's College, Listowel.</b>			
Engineering			
Construction Studies			

# DECIDING BETWEEN TWO SUBJECTS?

*It often comes down to a decision between 2 subjects.  
Use this sheet to help you decide which subject is best for you.*



<p>SUBJECT 1 : _____</p> <p>Advantages:</p> <ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li></ul>	<p>SUBJECT 2 : _____</p> <p>Advantages:</p> <ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li></ul>
<p>SUBJECT 1 : _____</p> <p>Disadvantages:</p> <ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li></ul>	<p>SUBJECT 2 : _____</p> <p>Disadvantages:</p> <ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li></ul>

Write out the advantages and disadvantages of each subject for you.  
Sometimes when it is written on paper it can become clearer.

## QUESTIONS TO ASK MYSELF:

If you can answer yes to all of these questions then you have chosen your subjects wisely and you can be confident that you have made an informed decision.

- |  |                 |
|--|-----------------|
| • Have I chosen subjects that I am interested in and that I enjoy?   | <b>YES / NO</b> |
| • Have I checked to make sure that I am choosing the right subjects for the right career e.g. I must have science if I want to become a nurse.             | <b>YES / NO</b> |
| • If my career choice is to change have I left my options open...i.e. science / language?  | <b>YES / NO</b> |
| • Have I chosen a European Language?   | <b>YES / NO</b> |
| • Have I spoken to the guidance counsellor / subject teacher about any questions I had?  | <b>YES / NO</b> |
| • Have I checked <a href="http://www.qualifax.ie">www.qualifax.ie</a> : subject choice section?  | <b>YES / NO</b> |
| • Have I made this decision for myself and not been influenced / persuaded by friends? (Remember what is right for someone else may not be right for you). | <b>YES / NO</b> |



# GLOSSARY OF TERMS

## Changes for 2017

**For the first time, students will be awarded points for a mark of less than 40pc on a higher level paper, traditionally regarded as a “fail” .**

**Under the new regime, which directly affects incoming fifth years, students who achieve between 30-39pc on an “honours” paper will be awarded 37 points.**

**Currently, no points are given for a mark of below 40pc and the change is intended to encourage students to aim higher, while minimising the risk of getting no points.**

**The new CAO scale is part of a series of inter-related reforms focusing on the transition from school to college, and designed to take some of the heat out of the points race.**

**The points changes are directly linked to an overhaul of the current Leaving Certificate 14-stage grading system, stretching from A1 to NG (No Grade), at both higher and ordinary level.**

**From 2017, there will be only eight bands , at each level, in the grading system - H1 to H8 and O1 to O8. Scores of between 30-39pc will be awarded a H7 and be worth 37 points.**

**Currently a mark of 5pc generally separates Leaving Cert. grades - eg, a B3 is 70-75pc and a B2 is 75-80pc – but under the new system, a grade will cover a 10pc stretch of marks, such as 70-80pc for a H3.**

**Arising from that, the CAO scale has undergone a significant revamp. The top of the scale will continue to be 100 but it will no longer go down in standard steps of five or 10 points.**

**In what is known as a non-linear scale, different increments will be used between each grade and while a H1 (90-100pc) will attract 100 points, a**

**H2 (80-90pc) will get 88 points and a H3 (70-80pc) will be worth 77 points.**

**A H4 will be worth 66 points. A H5 will be 56 points and a H6 46 points. There will be no points for a H8.**

**The H7 will be equivalent to O3, which will also attract 37 points. An O1 will be worth 56 points the same as a H5.**

**Because points are currently awarded in multiples of five only, a relatively large number of students can bunch on the same score, which can result in CAO applicants with the same points subjected to random selection for a college place.**

**The new scale means that any points score between 0 and 625 is possible, which will allow for greater differentiation between individual students when it comes to competing for college places.**

Current (pre-2017) Leaving Certificate Grade Scheme	New Leaving Certificate Grade Scheme	New Points Higher level	New Points Ordinary level
A1	H1 / O1	100	56
A2	H2 / O2	88	46
B1			
B2	H3 / O3	77	37
B3			
C1	H4 / O4	66	28
C2			
C3	H5 / O5	56	20
D1			
D2	H6 / O6	46	12
D3			
E		33	0



The current number of grade levels will be reduced as follows:

<b>New Grades</b>	<b>% Marks</b>
<b>H1 / O1</b>	90-100
<b>H2 / O2</b>	80<90
<b>H3 / O3</b>	70<80
<b>H4 / O4</b>	60<70
<b>H5 / O5</b>	50<60
<b>H6 / O6</b>	40<50
<b>H7 / O7</b>	30<40
<b>H8 / O8</b>	0<30

## LCVP Points accepted For Third Level Colleges

*From 2017 Leaving Certificate Vocational Programme (LCVP) grades will be aligned as follows:*

LCVP Grade	Current Points	Revised LCVP Points
Distinction	70	66
Merit	50	46
Pass	30	28

WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF THE INFORMATION CONTAINED IN THIS DOCUMENT, NO RESPONSIBILITY CAN BE TAKEN FOR ANY ERRORS OR OMISSIONS.

STUDENTS WITH SPECIFIC ENQUIRIES SHOULD ALWAYS CHECK WITH THE RELEVANT COLLEGES, WEBSITES AND CAREFULLY CONSULT COLLEGE PROSPECTUS.



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