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Subject Choice

Leaving Certificate 2028

Guidance Department
MS BURKE

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INTRODUCTION[1]

Q. What am I trying to do?

You are aiming to choose a meaningful, manageable package of subjects (a set of subjects which will give you a sense of direction, will provide self-motivation and which are achievable).

When choosing from the list of subject options, it is important to remember that the Leaving Certificate is a general education, and the desirability of a balanced education cannot be overstressed. It is important to remember that most people will change careers several times during their working lives. Therefore, a future career should not be the only determining factor in deciding what subjects to choose. Many factors must be considered when deciding what subjects to take.

These factors include:
(i) Your interest in or liking for a subject.
(ii) Your aptitude for a subject.
(iii) The value of a subject for your personal development.
(iv) Is it necessary to keep options open (Is it essential for entry to any courses you may like).
(v) The relevance of a subject for a particular career.
(vi) If a subject will be useful for a particular course.

Q. What decisions must I make?

There are three core subjects- Irish, English and Maths. Your Junior Cycle results may determine/indicate what level you take these subjects at.

You must decide if you intend to take a continental language (French or Spanish)
A continental language is required for entry to National University of Ireland (NUI) Universities and Colleges affiliated to the NUI *(with some exceptions in the faculties of Engineering and Science; Nursing; and Business and Law in Maynooth University).*

What **four** subjects you wish to take from the following choice:

Biology	**Accounting**	**French**	**DCG (Technical Graphics)**
Chemistry	**Business**	**Spanish**	**Construction Technology (Woodwork)**
Physics	**History**	**Music**	**Technology**
Agricultural Science	**Geography**	**Art**	**Physical Education (Exam)**
Applied Maths			

IN ORDER TO MAKE THE CORRECT DECISIONS IT IS IMPORTANT TO PUT THOUGHT INTO THE PROCESS. RESEARCH WELL IN ORDER TO GET ACCURATE INFORMATION.

[1] Disclaimer: While every effort was made to include accurate information in this booklet, it should be used for guidance only, and students should source information directly from college prospectuses/websites to ensure that the information is completely up to date before making any decisions.

The following questions are designed as a guideline to help you to make the correct decisions:

1. *What is the content and approach of each subject?*
   Be aware of the differences in content and approach between the Junior and Senior cycle

2. *What subjects are you interested in?*
   Genuine interest is important in terms of motivation

3. *What subjects are you good at?*
   Consider your experience of learning at Junior Cycle, and your results. If you found a subject interesting and enjoyable at junior cycle, it may be the same for you at senior cycle. Also consider what your CAT4 results indicate about your learning strengths – do you have a bias towards verbal or spatial learning? Do you enjoy problems solving and seeing connections – a non-verbal aptitude?

4. *Are there subjects that complement each other?*
   e.g., Mathematics and Physics, DCG and Construction Technology etc. If you are good at problem solving in Physics, then you may also be good at problem solving in Accounting, Technology etc. If you can write well in English, then you may also write well in History and Geography. Skills overlap between different subjects. What skills do you have?

5. *What subjects have I taken for Junior Cycle?*
   While it may be possible to study a subject you have not studied to Junior Cycle, this can be exceedingly difficult in particular subjects. ***It is therefore important to talk to the subject teacher prior to filling in your selection form***. In every case it requires a huge commitment on the part of the student.

6. *What careers/career areas are of interest to me?*
   Career interest's inventories may be useful here (e.g., Careers Portal Interest Profiler)

7. *If you aim to attend Third Level, or further education or directly enter the workforce, consider what subjects are:*
   (i) Essential (needed)
   (ii) Desirable for courses/areas of work (useful)
   (iii) You have a possibility of taking at higher level and gain more CAO points

8. *Do you have a definite career direction?*
   If so, choose a combination of appropriate subjects to enhance career prospects, but be aware of the cost of not doing a particular subject.

9. *What should I do if I am unclear and wish to keep my options as open as possible?*
   It may be advisable to choose subjects from diverse groups:
   1. Science- Physics, Chemistry, Biology, Agricultural Science
   2. Applied Science- Construction Technology, DCG, Technology, PE
   3. Languages- French, Spanish
   4. Social Studies- History, Geography, Art, Music
   5. Business- Accounting, Business

   GET as much advice as possible- **BUT** be aware of bias or incorrect information. **REMEMBER** the number of **courses and jobs** which **require specific subjects** are **quite small**. However, it **may** be a mistake to:
   (a) opt not to take a third language (191 courses require; 1 may require)
   (b) opt not to take a science subject (133 courses require; 93 may require)

A SCIENCE SUBJECT

- If you look at the courses on the following pages and identify courses of interest to you, then it would be a clever idea to keep a science subject. Also check to see if a particular science subject is required.
- Conversely, if you look through these pages and do not have any interest in these courses, then it is possible you do not need to keep a science subject.
- A science subject is usually required for entry to courses where the course has a high scientific content

3 Science Subjects are required for:

University of Limerick	Immersive Bioscience and Biotherapeutics	H4 in Biology and a H5 in 2 of Physics, Chemistry, Physics/Chemistry, Engineering, Computer Science, Maths, or Applied Maths

2 Science Subjects are required for:

ATU Sligo	Pharmacy	H4 in Chemistry or Physics/Chemistry and H4 in Physics, Biology, Applied Maths, Geography, Computer Science, or Agricultural Science. (Physics and Physics/Chemistry cannot be presented together)
ATU Letterkenny	Veterinary Medicine and Surgery	H4 in Chemistry or Physics/Chemistry and H4 in Biology, Agricultural Science or Physics (Physics and Physics/Chemistry cannot be presented together)
SETU Waterford	Pharmacy	H4 in Chemistry or Physics/Chemistry and a H4 in Biology, Physics, or Agricultural Science (Physics and Physics/Chemistry cannot be presented together)
UCC	Medicine, Dentistry, Pharmacy	H4 in Chemistry, **and** H4 in Physics or Biology
	Medical Health Science	H4 in Chemistry and O6/H7 in Biology, Physics or Agricultural Science
TCD	Pharmacy	H4 Chemistry or Physics/Chemistry and H4 In one of Physics, Biology, Mathematics, Applied Mathematics, Geography, Computer Science or Agricultural Science
	Physiotherapy	H4 in two of Physics, Chemistry, Biology, Physics/ Chemistry, Mathematics or Agricultural Science
	Dental Science	H3 + H4 in two of: Physics, Chemistry, Biology, Physics/ Chemistry, (and O4/H6 in Math's if Physics not included).
	Human Health and Disease	H4 Biology and H4 In one of Physics, Chemistry, Physics/Chemistry
	Biological and Biomedical Science; Chemical Science; Geography and Geoscience; Physical Sciences.	H4 in two of: Physics, Chemistry, Biology, Mathematics, Physics/Chemistry, Geography, Applied Mathematics, Agricultural Science or Computer Science (certain combinations such as Math's and Applied Math's are not permitted)
	Medicine	H3 and H4 from Physics, Chemistry, Physics/Chemistry; Biology and Agricultural Science (and O4/H6 in Math's if Physics not included).
RCSI	Medicine (5 year) Dentistry	H4 in Chemistry and H4 in Physics or Biology. (6-year Medicine programme accepts O6/H7 in Biology, Chemistry, Physics, Physics/Chemistry, or Agricultural Science)

University of Galway	Medicine	H4 in 2 of Biology, Physics, Chemistry, Physics/Chemistry, or Agricultural Science (5 Years) or O6/H7 in Biology, Physics, Chemistry, Physics/Chemistry or Agricultural Science (6 Years)

The **requirements are quite detailed** so **check the admission requirements carefully**.

- **H3 in a Science Subject Required for:**

TCD	Theoretical Physics	H3 in Physics and Maths

- **H4 in a Science Subject Required for:**

MTU /UCC	Biomedical Science	H4 in Biology, Physics, Chemistry, or Physics/Chemistry
UCC	Genetics	H4 Biology
	Biological and Chemical Sciences, Biological, Environmental and Geological Sciences, Chemical Sciences, Physics and Astrophysics, Agricultural Science, Science Education, Nutritional Sciences, Food Science	H4 in Biology, Physics, Chemistry, Physics/Chemistry, Agricultural Science and O6/H7 in Maths, Applied Maths or Computer Science or vice versa (O6/H7 Science, H4 Maths).
	Public Health Sciences	H4 in Biology, Physics, Chemistry, Physics/Chemistry, Agricultural Science and O6/H7 in Maths or Applied Maths or vice versa (O6/H7 Science, H4 Maths).
	Occupational Therapy, Speech and Language Therapy (+H4 in a 3rd Language for Speech and Language Therapy); Paramedic	H4 in Biology, Physics, Chemistry, Physics/Chemistry, or Agricultural Science
TU Dublin	Science (general)	H4 in Physics, Chemistry, Biology, Physics/Chemistry, Agricultural Science, Technology, Engineering or Applied Maths
	Analytical Chemistry, Chemical Sciences with Medicinal Chemistry	H4 in Physics, Chemistry, Biology, Physics/Chemistry or Technology
	Medical Science, Biomedical and Molecular Diagnostics, Optometry, Public Health Nutrition	H4 in Physics, Chemistry, Biology, or Physics/Chemistry
	Physics with Energy and Environment, Physics Technology, Science with Nanotechnology, Physics with Medical Physics and Bioengineering	H4 in Physics, Chemistry, Biology, Physics/Chemistry, Maths, Applied Maths, Agricultural Science, DCG, Engineering, or Technology
	Human Nutrition and Dietetics	H4 in Chemistry
	Architectural Technology	H4 Art, Construction, DCG, Engineering or Technology
	Clinical Measurement Physiology	H4 in Maths, Applied Maths, Physics, Chemistry, Biology, Physics/Chemistry, Agricultural Science, Engineering, or Technology

	Physics and Data Science	H4 in Physics, Chemistry, Biology, Physics/Chemistry, Maths, Applied Maths, Agricultural Science, Engineering, Technology, Computer Science or DCG.
TCD	Clinical Speech and Language Studies	H4 in Maths, Applied Maths, Physics, Chemistry, Biology, Physics/Chemistry or Agricultural Science and O2 in 3rd language, Irish or English or vice versa
	Occupational Therapy	H4 in Physics, Chemistry, Biology, Physics/Chemistry, or Agricultural Science
	Radiation Therapy	H4 from Physics, Chemistry, Biology, and Physics/Chemistry
	Environmental Science and Engineering	H4 in Physics, Chemistry, Biology, Physics/Chemistry, Geography, Applied Maths, Agricultural Science or Computer Science.
Uni of Limerick	Physics	H4 in Applied Maths, Physics, Chemistry, Physics/Chemistry, Engineering
	Food Science and Health, Biological and Chemical Sciences, Equine Science, Environmental Science.	H4 in Applied Maths, Physics, Chemistry, Biology, Physics/Chemistry, or Agricultural Science
	Science with concurrent Teacher Education (Chemistry and Physics)	H4 in Physics, Chemistry, Biology, Physics/Chem, Engineering or Agricultural science (and H4 maths)
ATU Sligo	Clinical Measurement Physiology	H4 in Applied Maths, Physics, Chemistry, Biology, Physics/Chemistry, Agricultural Science, Engineering or Technology (and a H6/O4 maths)
Uni of Galway	Pharmacy	H4 in Biology, Chemistry, Physics, Physics/Chemistry or Agricultural Science
SETU (Waterford)	Veterinary Medicine	H4 in Biology or Chemistry

- **H5 Science Subject Required for:**

UCD	Veterinary Medicine	H5 in Chemistry (60 hours animal handling experience with two animal groups)
Dundalk IT	Veterinary Nursing	H5 in Biology or Agricultural Science
ATU Letterkenny	Physiotherapy; Health Science with Physiotherapy Studies, Occupational Therapy Studies, Dietetics Studies	H5 Biology
Mary I	Education, Home Economics and Business Studies	H5 in Home Economics, Biology, Chemistry, Physics, Physics/Chemistry, or Agricultural Science
MTU Cork	Home Economics and Business	H5 in Chemistry, Physics, Biology, Physics/Chemistry, Agricultural Science or Home Economics

- **O3/H5 Science Subject Required for:**

DCU	Analytical Science, Chemistry with AI, Chemical and Pharmaceutical Science, Chemical Sciences, Environmental Science	O3/H5 in Physics, Chemistry, Biology, Physics/Chemistry, Computer Science or Agricultural Science

	and Technology, Genetics and Cell Biology, Biotechnology, Biological Science	
	Physics	O3/H5 in Physics, Chemistry, Biology, Physics/Chemistry, or Applied Maths
	Health and Society	O3/H5 in Physics, Chemistry, Biology, Physics/Chemistry, or Agricultural Science

- **O4/H5**

Uni of Limerick	Speech and Language Therapy	O4/H5 in Chemistry, Physics, Biology, Physics/Chemistry, Applied Maths, Computer Science or Agricultural Science

- **H6 in Science Subject Required for:**

UCD	Engineering	H6 in Biology, Physics, Chemistry, Physics/Chemistry or Agri. Science

- **O2/H6 in a Science Subject Required for:**

UCD	Science	O2/H6 in Biology, Chemistry, Physics, Geography, Physics/Chemistry, Agricultural Science, Computer Science or Applied Maths

- **O6/H6 in a Science Subject Required for:**

TCD	All Nursing	O6/H6 in Biology, Chemistry, Physics, Physics/Chemistry or Agricultural Science
Dundalk IT	Health and Physical Activity; Nutrition and Health	O6/H6 in Biology, Chemistry, Physics, Physics/Chemistry or Agricultural Science

- **O4/H6 in a Science Subject Required for:**

ATU Letterkenny	Computer Science; Cyberpsychology	O4/H6 in Computer Science
DCU	Sports Science & Health, Science and Mathematics Education, Athletic Therapy & Training, Physical Education with Biology, Physical Education with Mathematics	O4/H6 in Physics, Chemistry, Biology, Physics/Chemistry, or Agricultural Science (+O1/H6 Maths for Science and Mathematics Education, and Physical Education with Mathematics)

- **O3/H7 in a Science Subject Required for:**

TUS Athlone	Veterinary Nursing	O3/H7 in any science-based subject
UL	Sports and Exercise Science	O3/H7 in Applied Maths, Biology, Chemistry, Physics, Physics/Chemistry, Agricultural Science or PE.

	Physiotherapy; Occupational Therapy	O3/H7 in Biology, Chemistry, Physics, Physics/Chemistry, Agricultural Science or PE.

- **O4/H7 in Science Subject Required for:**

TU Dublin	Nutraceuticals in Health and Nutrition, Pharmaceutical Healthcare, Biotechnology	O4/H7 in Biology, Physics, Chemistry, or Physics/Chemistry
	Environmental Health	O4/H7 in Biology, Physics, Chemistry, Physics/Chemistry or Agricultural Science
	Food Science	O4/H7 in Biology, Physics, Chemistry, Physics/Chemistry, Applied Maths, Home Economics, or Agricultural Science
	Dispensing Optician	O4/H7 in Biology, Physics, Chemistry, Physics/Chemistry, Applied Maths, Home Economics, Engineering or Agricultural Science
Ùni of Limerick	Technology Management, Product Design and Technology (+ portfolio), Construction Management and Engineering	O4/H7 in Applied Maths, Biology, Physics, Chemistry, Physics/Chemistry, Technology, Construction, Engineering, Agricultural Science, Computer Science, Climate Action and Sustainable Development or DCG
	Graphics, Construction Technology with concurrent Teacher Education; Graphics, Engineering, Technology with concurrent Teacher Education,	O4/H7 in Applied Maths, Biology, Physics, Chemistry, Physics/Chemistry, Technology, Construction, Engineering, Agricultural Science, Computer Science or DCG
	Science with concurrent Teacher Education – Biology with Physics or Chemistry or Agricultural Science (H4 for Physics/Chemistry option)	O4/H7 in Biology, Physics, Chemistry, Physics/Chemistry, or Agricultural Science

- **O6/H7 in a Science Subject Required for:**

TUS Athlone	Pharmacy Technician; All Nursing Courses; Dental Nursing, Culinary Arts.	O6/H7 in any Lab Science based subject
UCC	Engineering	O6/H7 in Biology, Physics, Chemistry, Physics/Chem, Agricultural Science, or Technology
	All Nursing	O6/H7 in Biology, Chemistry, Physics/Chemistry, or Agricultural Science
DCU	All Nursing	O6/H7 in Physics, Chemistry, Physics/Chemistry, Biology, or Agricultural Science
Dundalk IT	All Nursing	O6/H7 in Biology, Chemistry, Physics, Physics/Chemistry or Agricultural Science
TU Dublin	Pharmacy Technician Studies	O6/H7 in Biology, Chemistry, and Physics/Chemistry
RCSI	Medicine (6 Year); Physiotherapy, Pharmacy, Advanced Therapeutic Technologies	O6/H7 in Biology, Chemistry, Physics, Physics/Chemistry or Agricultural Science
TCD	Dental Nursing, Dental Hygiene, Dental Technology	O6/H7 in Biology, Chemistry, Physics, Physics/chemistry, or Agricultural Science

NCAD	Product Design, Interaction Design	O6/H7 in Maths OR O6/H7 in Applied Maths, Physics, Chemistry, Physics/Chemistry, Engineering, Construction Technology, Agricultural Science, Technology, DCG, or Biology.
UCD	Agricultural Science, Food Science, Human Nutrition, Medicine, Radiography, Physiotherapy, Sport, Health and Exercise Science, Sport and Exercise Management, Biomedical Health and Life Science, All Nursing, Veterinary Nursing	O6/H7 in Biology, Chemistry, Physics, Physics/Chemistry or Agricultural Science
ATU Galway	All Nursing, Medical Science	O6/H7 Biology, Chemistry, Physics, Physics/Chemistry or Agricultural Science
University of Galway	Occupational Therapy, Speech and Language Therapy, Podiatric Medicine, All Nursing	O6/H7 in Biology, Physics, Chemistry, Physics/Chemistry or Agricultural Science
	Science (common entry), Geography and Geosystems, Genetics and Genomics, Agricultural Sciences, Biomedical Science, Biotechnology, Marine Science, Environmental Science, Occupational Health and Safety Management, Earth and Ocean Sciences, Biopharmaceutical Chemistry, Physics, Zoology	O6/H7 in Biology, Physics, Chemistry, Physics/Chemistry, Computer Science or Agricultural Science
	Engineering (common entry), Civil Engineering, Mechanical Engineering, Electronic and Computer Engineering, Biomedical Engineering, Energy Systems Engineering, Electrical and Electronic Engineering	O6/H7 in Biology, Physics, Chemistry, Physics/Chemistry, Agricultural Science, Computer Science or Technology
	Project and Construction Management	O6/H7 in Biology, Physics, Chemistry, Physics/chemistry, Agricultural Science, Computer Science, Technology, DCG, Construction or Engineering
	Medicine	O6/H7 in Biology, Physics, Chemistry, Physics/Chemistry or Agricultural Science (6 Years) or H4 in 2 of Biology, Physics, Chemistry, Physics/Chemistry, or Agricultural Science (5 Years)
	Financial Mathematics and Economics	O6/H7 in Biology, Physics, Chemistry, Physics/Chemistry, Computer Science, Agricultural Science OR O6/H7 in a language
ATU Letterkenny	All Nursing, Veterinary Nursing, Pharmacy Technician, Dental Nursing	O6/H7 in Biology, Physics, Chemistry, Physics/Chemistry or Agricultural Science
Uni of Limerick	Engineering (Common Entry), All Engineering - Electrical, Aeronautical, Chemical and Biochemical Engineering, Electronic and Computer	O6/H7 in one of Physics, Chemistry, Biology, Physics/Chemistry, Technology, Engineering, DCG, Agricultural Science, Applied Maths, Computer Science or Construction

	Medicine All Nursing, Paramedic Studies	O6/H7 in one of Physics, Chemistry, Biology, Physics/Chemistry, or Agricultural Science Also, B and C1 drivers' licence for paramedic studies
Maynooth University	Science, Physics with Astrophysics, Theoretical Physics and Mathematics, Data Science, Science or Mathematics with Computer Science Education; Maths and Applied Maths Education	O6/H7 in Biology, Chemistry, Physics, Physics/Chemistry, Applied Maths, Computer Science or Agricultural Science (+H4 maths in Maths Stream of Science or Mathematics with Education)
	Biotechnology, Biomedical Science, Psychology (BSc), Pharmaceutical and Biomedical Chemistry; Sport Science and Health; Food Science and Human Nutrition	O6/H7 in Biology, Chemistry, Physics, Physics/Chemistry, Computer Science or Agricultural Science
	Biological and Geographical Science	O6/H7 in Biology, Chemistry, Physics, Physics/Chemistry, Computer Science, Geography or Agricultural Science
	Engineering;	O6/H7 in Biology, Chemistry, Physics, Physics/Chemistry, Applied Maths, Agricultural Science, Computer Science or Technology
ATU Sligo St. Angela's	All Nursing	O6/H7 in Biology, Chemistry, Physics, Physics/Chemistry, or Agricultural Science.
	Home Economics with Religion; Home Economics with Irish; Home Economics with Biology	O6/H7 in Biology, Chemistry, Physics, Physics/Chemistry, Agricultural Science or Home Economics
	Home Economics, Home Economics Teacher Ed	O6/H7 in Home Economics
MTU Kerry	All Nursing	O6/H7 in Agricultural Science, Biology, Chemistry, Physics or Physics/Chemistry
SETU Waterford	All Nursing	O6/H7 in Agricultural Science, Biology, Chemistry, Physics or Physics/Chemistry
	Science, Pharmaceutical Science, Agricultural Science, Food Science, Molecular Biology with Biopharmaceutical Science, Forestry, Horticulture, Agriculture	Recommended: Biology, Chemistry, Agricultural Science, Physics, Physics/Chemistry

THIRD LANGUAGE

The question students often ask is whether they need to keep Spanish or French. Some choose to keep their third language, as they have an aptitude for the subject or an interest in studying languages at third level. For others, they keep the subject to "keep their options open."

Keeping options open?
Sometimes studying a third language keeps options open, but sometimes it can limit a student's options.

Take the case where a student takes ordinary level Spanish to "keep his options open," but he could have taken a different subject at higher level. The decision to keep Spanish has now cost him points, as he would have been awarded higher points for a higher level over an ordinary level subject. Clearly this only applies where a student's aptitudes and interests lie elsewhere, but it is worth considering.

Equally you could have a student who gives up Spanish and maximises his points with subjects he has an aptitude for. This student could discover later in his career research that his points will not get him into the course he wants, even if he gets 625 points, because he does not meet the third language entry requirement, and so is ineligible for the course. So, it is worth looking at when a third language is needed for entry.

Here are the figures.

	As a % of all courses	**Number of courses**
CAO courses that require at least an O6/H7 in a third language (some have Higher requirements where a language is a component of the course)	12%	191
CAO courses that require at least an O6/H7 in a third language or another subject	<1%	1
CAO courses that **do not** require a third language	88%	1419

What courses are these are included in the 191 that require a 3rd language?

- Unlike the science requirement for entry to scientific courses, most courses that require a third language for entry are not language courses and do not involve the study of a language as part of the course.
- Most of these courses are the NUI colleges, where a third language is necessary for entry to Arts, Business, Medical, Social Science, Law, and Psychology courses (See college entry requirements below).
- A few examples of where an O6/H7 in a third language is required in health science include- 2 Pharmacy (of 6), 2 Physiotherapy (of 5), 2 Occupational Therapy (of 4), 4 Medicine (of 6), 2 Dentistry (of 3), 1 of Veterinary Medicine (of 3) some Psychology, the only Radiography course in Ireland.
  An O6/H7 in a third language is also required for many Business, Law, Media, Social Science, Humanities/Arts (English, History, Geography, Politics, Music), Some second level teaching courses (those in NUI colleges – e.g. PE in UCC, Maths in University of Galway).

- Of course, some courses that involve the study of a language, and speech and language therapy courses, have a higher requirement of a H3 (70% in higher level) or H4 (60% in higher level) in a 3rd language, as studying at least one language is a large component of these courses. There are approximately 280 courses in the CAO that require a language to take a language on the course.

The tables below list the courses in the NUI colleges, and outside the NUI colleges, that have a 3rd language entry requirement. *For subjects in each Arts degree please see page 13.

NUI College	3rd Language Requirement	Courses
University College Cork	O6/H7	Accounting, Arts*, Music, Arts International, Anthropology, Business Information Systems, Commerce, Criminology, Dentistry, Digital Humanities & Information Technology, Early Years & Childhood Studies, Economics, Education – Gaeilge, English, Film & Screen Media, Finance, Food Marketing & Entrepreneurship, Government & Political Science, International Development, Law and Business, Law and Irish, Law Pathways, Medicine, Occupational Therapy, Pharmacy, PE Sports Studies and Arts (2nd Level Ed), Psychology & Computing, Applied Psychology, Public Health Sciences, Social Science, Theatre & Performative Practices
	H4	Speech and Language Therapy (H4 in a language other than English or Irish and a H4 in a science subject)
	H3	World Languages, International Business with Languages (O6/H7 in a third language for German, Italian, Chinese Studies, or Hispanic options at beginner's level; H3 in French to study French; H2 in Irish to study Irish, to study a language at non-beginner 's level, a minimum grade H4 in that Language is required), Law and French (H3 French), Law and Irish (H3 Irish and O6/H7 in a 3rd language)
University College Dublin	O6/H7	Arts*, Biomedical Health & Life Sciences, Business and Law, Commerce, Commerce International, Criminology with Psychology, Criminology, Economics & Finance, Education with Gaeilge &/or Modern Languages (2nd level Teaching) (at least a H4 recommended in Irish and or another language too), Humanities, Law, Medicine, Modern Languages - French, German, Italian, or Spanish (H4 in the language needed to study at advanced level), Physiotherapy, Radiography, Veterinary Medicine
	H4	Commerce International with any French combination Social Science recommend a H4 to take French option
	H3	Law with French Law (H3 French recommended, but O6/H7 required for entry)
Maynooth University	O6/H7	Arts*, Community and Youthwork, Media Studies, Music, Psychology, Social Science; Creative Writing and English
	H4	Arts with French
University of Galway	O6/H7	Joint Honors Arts*, Children and Youth Studies, Digital Arts and Technology, Drama Theatre and Performance Studies, Creative Writing and English, Film and Digital Media, Arts- Global Experience, Arts-Global Media, History, Journalism, Mathematics and Education (Second Level Teaching), Music, Human Rights, Business Information Systems, Commerce, Commerce-Accounting, Commerce- Gaeilge, Commerce-Global Experience, Education - Computer Science & Mathematical Studies - Second Level Teaching, Government - Politics Economics & Law, Law and Business, Law, Law & Human Rights, Law & Criminology & Criminal Justice, Medicine, Cumarsáid agus Gaeilge, Gaeilge Léann an Aistriuchain, Occupational Therapy, Podiatric Medicine, Psychology, Social Science and Sustainability, Speech & Language Therapy
	O6/H7	Financial Mathematics and Economics (O6/H7 in either a 3rd language or Biology, Physics, Chemistry, Physics/Chemistry or Agricultural Science,
	O2/H6	Biotechnology
	H4	Arts Global Languages, Commerce International with German (H4 German), Commerce international with Spanish (H4 a third language)
*see page 13	H3	Commerce international with French (H3 in French)

Shannon College of Hotel Management	O6/H7	Business Studies- International Hotel Management; Commerce - International Hotel Management
RCSI	O6/H7	Medicine, Pharmacy, Physiotherapy, Advanced Therapeutic Technologies, Dentistry.
Pontifical University	O6/H7	Theology, Theology with Arts, Philosophy.
NCAD	No longer requires a 3rd language	

In other colleges, a third language is required when it is a component of the course. Here are some examples:

Non-NUI College	**3rd Language Requirement**	**Courses**
Dublin City University	H3	PP Teacher Education with French, German, or Spanish (H3 in relevant Language, French, German, or Spanish)
	H4	Arts- International languages (H4 in chosen language required; Business Studies International, Global Business (France) (H4 in French), Global Business (Germany) (H4 in German), Global Business (Spain) (H4 in Spanish), Applied Languages and Translation Studies (H4 in relevant Language, French, German, or Spanish), Arts Law/Media/International Languages with French, German, or Spanish (H4 in relevant Language, French, German, or Spanish); International Relations (H4 if doing a language stream)
TU Dublin	H4	Law with a Language (H4 in relevant Language, French, German, or Spanish), International Business and Languages, Languages and International Tourism
Trinity College Dublin	O2/H6	Linguistics (O2/H6 in a language other than English or Irish)
	H3	Business Studies with Spanish (H3 in Spanish), European Studies (2 from H3 French, H4 German, Italian, Irish, Polish, Russian, Spanish), Computer Science Linguistics and a Language (H3 in French, Irish or Spanish)
	H4	Classical Languages (H4 in any language other than English), Modern Languages (for German, Italian, Russian, Spanish a H4 in any language other than English, for French H4 in French, for Irish H4 in Irish), Law and French (H4 French), Law and German (H4 German), Classics with Ancient History and Archaeology (H4 in a language other than English), , Business Studies with French (H4 French), Middle Eastern and European Languages and Culture (H4 in a language other than English or Irish), Business Studies with German (H4 German), Business Studies with Russian (H4 in language other than English), Business Studies with Polish (H4 in language other than English).
University of Limerick	H3	European Studies (H3 in a language other than English), Applied Languages (H3 in French, German, Japanese, Spanish or Irish), Languages with concurrent teacher education (H3 in French, German, Japanese, Spanish or Irish); Common and Civil Law (H3 French)
	H4	Business Studies with French (H4 French); Business Studies with German (H4 German); Business Studies with Japanese (H4 Irish or another language); Business Studies with Spanish (H4 in Spanish for advanced level; H4 in any modern language for beginners' level); Arts 0 French (H4 French required to study French)

***Subjects available to study in Arts in UCC, UCD, University of Galway and Maynooth University**

UCC	UCD	University of Galway	Maynooth University
Asian Studies; Computer Science; History; Portuguese;, History of Art; European Studies; Folklore; Gaeilge / Irish; Greek and Roman Civilisation; Archaeology; Chinese Studies; German; Latin; Mathematical Studies; Politics; French; Sociology; Studies in Music; Bealoideas; Economics; English; Greek;; Religions and Global Diversity; Geography; Italian; Celtic Civilisation; Philosophy; Spanish	Archaeology; Art History; Celtic Civilisation; Greek and Roman Civilisation; Drama Studies; English; Film Studies; French; Geography; German; History; Information and Communication Studies; Gaeilge; Irish Folklore; Italian; Linguistics; Mathematics; Music. Philosophy; Portuguese; Sociology; Spanish; Statistics. Humanities have more options like creative writing, history and politics etc.	Archaeology; French; Mathematics/Mathematical Studies; Law; Psychology; Celtic Civilisation; Performance and Screen Studies; Ancient Classics; Geography; Léann na Cumarsáide; German Modern Irish Culture Studies (Literature and Music); Global Media; English; Economics; Information Technology; Léann an Aistriúcháin; Sociological and Political Studies; History; Spanish; Gaeilge; Italian; Philosophy	Accounting; Anthropology; Business (International); Business (Management); Business (Marketing). Chinese Studies; Classical Studies; Computer Science; Criminology; Economics; English; Finance; French; Geography; German; History; International Development; Law; Mathematical Physics; Mathematical Studies; Pure Maths; Media Film & Cultural Studies; Medieval Celtic Studies; Music; Music Technology; Nua-Ghaeilge; Philosophy; Politics; Psychological Studies; Sociology; Spanish; Statistics;

Óglaigh na hÉireann
DEFENCE FORCES IRELAND

Also, a third language (O6/H7) is an entry requirement for school leavers applying to the Defence Forces Cadetship in the Army, the Navy, and the Air Corp (Officer ranks only, not Private ranks or Aircraft Technicians). However, this requirement has been dropped for college graduates applying for the Cadets.

An Garda Siochana require applicants to be proficient in either or both of the following:

(a) The English language
(b) The Irish language

OTHER GENERAL REQUIREMENTS TO CONSIDER

- Primary Teaching- H4 in Irish, O4/H7 in English and O4/H7 in Maths
- NUI Colleges (University College Dublin, University College Cork, University of Galway, NUI Maynooth, NCAD, RCSI and colleges affiliated to NUI)- Irish, English, Maths are usually required, along with a third language for arts, medical, business, law and language courses, and a laboratory science subject for engineering and science courses (with exceptions).
- Degrees in Engineering- H4 in Mathematics and a grade O6/H7 in Science or sometimes a technology-based Subject (Ordinary level Maths for most level 6/7 courses)
- Journalism- Minimum of H4 in English generally required
- To study a Language at degree level students, need to have a minimum Leaving Certificate Higher level H4/H3 in the language they intend to study (except where these are offered at *ab inito* level)

Summary of entry requirements to colleges: (Specific course requirements also apply in addition to the college requirements)

Maynooth University
University of Galway
University College Dublin
University College Cork
RCSI
Shannon College
NCAD

Two H5 and Four O6/H7 to include:
- English
- Irish
- Mathematics#
- A Third language (except Nursing, Engineering and some science Courses, and Law and Business courses in Maynooth University, and all courses in NCAD)

Trinity College Dublin (TCD)
University of Limerick (UL)

TCD: Three H5 and three O6/H7 to include:
- English.
- Mathematics#
- Another language*

UL: Two H5 and Four O6/H7 to include:
- English
- Mathematics,
- Irish or another language*

Dublin City University
Technological Universities
Institutes of Technology
(Honours Degrees)

Two H5 and Four O6/H7 to include:
- English or Irish
- Mathematics#

Irish Exemption Warning in relation to "another language" in UL, Mary Immaculate College and TCD. If you are exempt from Irish because you came here after the age of 11 or because you were born outside of Ireland, you will be required to present a different language subject in your leaving Certificate in UL, Mary I and TCD (e.g., French, Spanish, Polish).

Maths is sometimes not required for some courses in art and design, arts and humanities, law, drama, some psychology, and social science.

ACCOUNTING — Mr Cassidy

Accounting is a subject that suits the organised methodical person who likes definite answers. Students of accounting move beyond the actual making of records, i.e., book-keeping, and deal with how these records are used, their analysis and interpretation. Students will be able to see and understand published company accounts, make comparisons of performance between companies, be able to take care of the basic accounting needs of a small business, club, farm, or service firms (cash flows, final accounts, budgeting etc.), study the production of information needed for management decision-making etc.

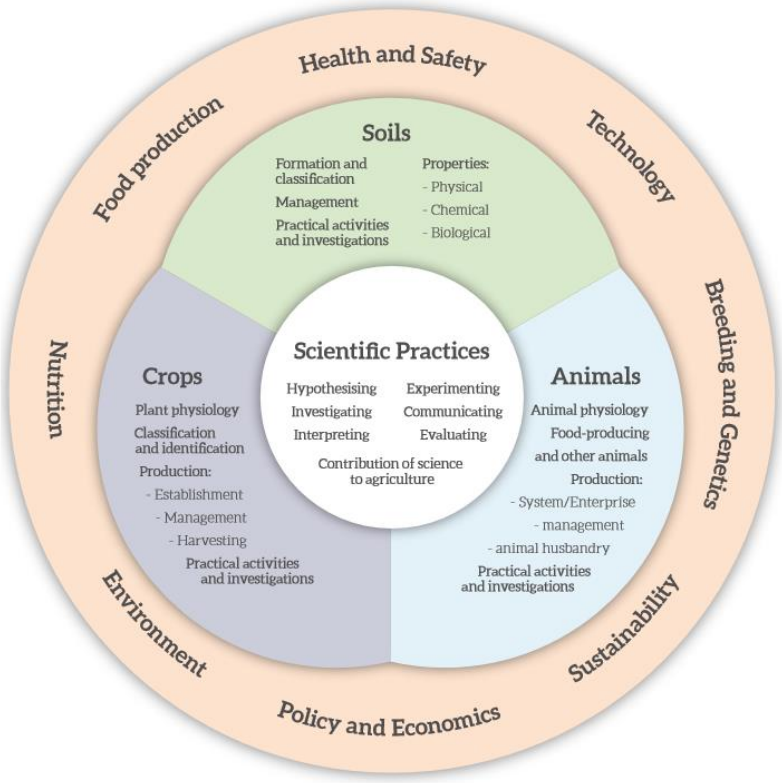
Accounting is required for the following third level courses:
Accounting is excellent preparation for any business-related occupation. It is a requirement for **Commerce (Accounting)** (University of Galway) (H4 in Accounting).

Though it is not essential for entry into many business courses or professional training in accountancy, it would be a significant help to students wishing to pursue any third level business-related course. Students who are considering a career in accountancy are also highly recommended to study accounting, as it is a good indicator of suitability.

Accounting is useful for careers in:
Accounting Technician; Accountancy, Auctioneering; Auditing; Banking; Book-keeping; Building Society Clerk; A vast array of Clerical Work; Business Teacher, Engineering; Company Secretaryship; Hospital Administration; Hotel Management; Receptionist; Insurance; Market Research; Purchasing Officer; Quantity Surveyor; Sales Representative; Store Manager; Taxation Consultant; Marketing; Teaching; Computer Systems; Advertising; Business Law. It is hard to think of any careers where some knowledge of accounting would not be useful.

AGRICULTURAL SCIENCE — Ms Fleming/ Mr. Molloy / Mr. Collins

Leaving Certificate agricultural science involves the *study of the science and technology* underlying the principles and practices of agriculture. It aims to develop knowledge, skills and attitudes that promote the sustainability of agricultural resources, and places emphasis on the managed use of these resources. Plants and animal types associated with agriculture are studied, and investigations are undertaken into such aspects as soil, ecology, plant and animal physiology, farm crops, farming practices, genetics, and microbiology. The new specification is broken into 4 strands: Soils, Crops, Animals and Scientific Practices.



Requirements of the course:

SPECIFIED PRACTICAL ACTIVITIES

Over the course's two years, each learner must complete and prepare reports on the specified practical activities. The reports will not be externally assessed but must be available for inspection.

INDIVIDUAL INVESTIGATIVE STUDY (IIS)

As well as the specified practical activities, each student is required to carry out an individual investigative study related to a topic in agricultural science. The individual study is an investigative activity which is based on and draws from a thematic brief set annually by the State Examinations Commission at the commencement of the two-year course. It is conducted over the two years of the course and facilitates the study of particular areas in greater depth, and which may be of local or regional agricultural significance.

Assessment:

ASSESSMENT COMPONENT	PERCENTAGE
Written ▸ short answer questions ▸ structured questions ▸ synoptic questions	75
Coursework ▸ Individual investigative study	25

Short questions: address core topics across the entire specification; are made up of both multiple choice and short answer questions and focus on concepts and skills.
Structured questions: are drawn from one area of the specification; each structured question may include a variety of scientific ideas in the context of one agricultural science topic.
Synoptic questions: these questions will require students to collate knowledge across a number of agricultural science topics.

Agricultural Science is a requirement for the following third level courses:

Agricultural science is accepted as a science subject in some third level colleges in Ireland (for 196 courses), though it may not meet special course requirements where a specific science subject is requested. For example, **Veterinary Nursing** in Dundalk IT required a H5 in either Agricultural Science or Biology, but Veterinary medicine in UCD requires a H5 in Chemistry.

Agricultural Science is useful for careers in:

Agricultural Engineering; Agricultural Inspector; Agricultural Officer; Agricultural Sales; Agricultural Science Teacher; Animal Breeder; Animal Trainer; Botanist; Biologist; Butter-maker and cheese maker; Clerk in an Agricultural Organisation; Conservation; Creamery Manager; Dairy Scientist; Farmer; Food Science Technologist; Forester; Forestry Inspector; Horticulturalist; Laboratory Technician; Seed Analyst; Stud Farm Employee; Fish Farmer; Veterinary Surgeon; Veterinary Nurse; Zoologist.

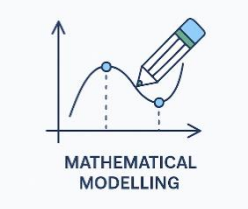
APPLIED MATHEMATICS — Mr Farrell / Mr. Collins

Applied Maths is all about **using maths to solve real-world problems** - from planning efficient journeys to understanding how objects move or modelling how systems change over time. It's practical, logical, and great for anyone who likes puzzles, problem-solving, or figuring out how things work. The course is built around **four main strands**, all focused on *mathematical modelling* — which is just a fancy way of saying "turning real problems into maths so we can solve them."

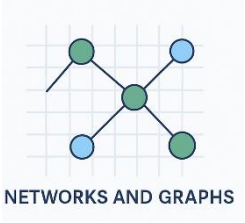
1. Mathematical Modelling

You learn how to take everyday problems and turn them into mathematical equations or diagrams. This includes:

- Identifying what information matters
- Making assumptions
- Building a model
- Solving it
- Checking if your solution makes sense in real life



2. Modelling with Networks and Graphs



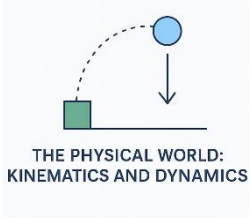
Here you learn how to use diagrams (nodes and edges) to solve problems such as:

- Finding the shortest route between places
- Planning the most efficient connections
- Understanding networks like roads, power grids, or social networks

It's the maths behind Google Maps, transport systems, and logistics

3. Modelling the Physical World (Kinematics & Dynamics)

This is the part most people think of when they hear "Applied Maths." You study how things **move** and **why** they move, including:



- Speed, acceleration, and forces
- Projectiles (like sports balls or rockets)
- Collisions and momentum
- Motion in straight lines and in circles

It's basically the maths behind physics.

4. Modelling a Changing World

This strand looks at how things change over time using maths:

- Population growth
- Decay and cooling
- Rates of change in systems
- Real-world processes that can be predicted using equations

This is the kind of maths used in science, economics, medicine, and climate modelling.

<u>Assessment</u>

Applied Maths has **two main assessments**:

- **A modelling project** (20%) where you investigate a real problem using the full modelling process.
- **A final written exam** (80%), testing how well you can apply modelling and problem-solving skills.
-

<u>Comparison with Maths and Physics</u>

Mathematics (LC Maths)	**Applied Mathematics**	**Physics**
Maths focuses on the **tools and ideas of mathematics itself**. The course includes five strands: • **Statistics & Probability** • **Geometry & Trigonometry** • **Number** • **Algebra** • **Functions** Maths is about understanding patterns, equations, calculations, and the structures that make up mathematical thinking.	Applied Maths is the study of **using maths to solve real-world problems**. The course is built around four strands: • **Mathematical modelling** • **Networks and graphs** • **Kinematics & dynamics (motion & forces)** • **Modelling change (growth, decay, rates)** It's very problem-solving focused — you take a scenario, turn it into maths, solve it, and check if the answer makes sense.	Physics is the study of **how the physical world works**. The specification includes: • **Forces & motion** • **Waves & energy** • **Electricity & magnetism** • **Atomic and nuclear physics** Physics explains the *why* behind real-world phenomena using scientific principles and experiments.

Applied Maths ↔ Maths	**Applied Maths ↔ Physics**
Applied Maths *depends heavily* on Maths skills. You need: • Algebra • Functions • Trigonometry • Calculus ideas (implicitly used through rates, graphs, etc.) Think of Applied Maths as **Maths in action**	Applied Maths and Physics strongly overlap in: • Motion (speed, acceleration, forces) • Newton's laws • Projectiles • Momentum & collisions Physics explains the *science* behind these ideas. Applied Maths shows you how to *build equations* to solve them efficiently.

Applied Maths is required for the following third level courses:
It is not a sole requirement for any course, but it can meet the entry requirements approximately 73 courses - The following is again an illustrative list. In some cases, Applied can be used in place of a grade in HL Maths, and in other cases in place of a Lab Science or Applied Science subject.

The following is an illustrative list:

Applied Maths in place of Maths

- **Engineering** (UCC) – (H4 in Mathematics or Applied Mathematics (if the H4 is in Applied Math's, a H6 in Math's is also required); O6/H7 in Biology, Chemistry, Physics, Physics/Chemistry, Agricultural Science or Technology).
- **Bioscience**s; **Industrial and Environmental Physics; Medicinal Chemistry and Pharmaceutical Sciences** (TU Dublin) **–** O4/H7 Maths or Applied Maths.
- **Mathematics and Statistics** (TU Dublin) – O2/H6 Maths or Applied Maths.
- **Engineering** (TU Dublin)- H4 Maths or H4 Applied Maths and H6 Maths.
- **Dispensing Optician** (TU Dublin) **–** O3/H7 Maths or Applied Mathematics: O3/H7 and at least O4/H7 in one of Physics, Chemistry, Physics & Chemistry, Biology, Agricultural Science, Home Economics, Applied Mathematics or Engineering.
- **Engineering; Biomedical Engineering; Electronic and Computer Engineering; Mechanical and Manufacturing Engineering; Mechanical and Sustainability Engineering; Mechatronic Engineering; (DCU) -** Minimum of H4 in Mathematics or H4 in Applied Mathematics with H5 in Mathematics.
- **Biomedical Engineering; Chemical and Pharmaceutical Engineering; Structural Engineering; Mechanical Engineering; (MTU Cork) -** H4 Maths or H4 in Applied Maths and H6 in Mathematics.
- **Product Design; Interaction Design (NCAD) -** Maths O6/H7 or a O6/H7 in one of Applied Mathematics, Physics, Chemistry, Physics/Chemistry, Engineering, Construction Technology, Agricultural Science, DCG, or Biology.

Applied Maths in place of a science or applied science

- **Science with Nanotechnology**; **Physics with Medical Physics & Bioengineering**; **Physics Technology**; **Physics with Data Science**; **Physics with Energy and Environment** (TU Dublin) – (Math's 03/H7 and H4 in one of: Physics, Chemistry, Physics/Chemistry, Biology, Mathematics, Applied Mathematics, Agricultural Science, Engineering, Technology or DCG).
- **Science General Entry** (TU Dublin) - Math's 03/H7 and H4 in one of Physics, Chemistry, Physics/Chemistry, Biology, Agricultural Science, Engineering, Technology or Applied Mathematics.
- **Clinical Measurement Physiology** (TU Dublin) - 03/H7 Math's and H4 in Mathematics, Applied Mathematics, Physics, Chemistry, Physics/Chemistry, Biology, Agri. Science, Engineering or Technology.

- **Food Science** (TU Dublin) **-** O4/H7 in one of: Physics, Chemistry, Physics/Chemistry, Biology, Applied Mathematics, Home Economics or Agricultural Science

- **Pharmacy** (TCD) - O4/H6 Maths; H4 Chemistry or Physics/Chemistry and a H4 in one of Physics, Biology, Mathematics, Applied Mathematics, Geography, Geology, Agricultural Science or Computer Science. Combinations of subjects not permitted:
  Physics/Chemistry may not be presented with Chemistry or Physics to satisfy requirements.
- **Chemical Sciences; Geography and Geoscience; Physical Sciences; Biological and Biomedical Sciences** (TCD) - O4 or H6 Mathematics and a H4 In two of Physics, Chemistry, Biology, Physics/ Chemistry, Geology, Geography, Mathematics, Applied Mathematics, Agricultural Science, or Computer Science (Physics/chemistry may not be presented with physics or chemistry. Applied mathematics may not be presented with mathematics)
- **Clinical Speech and Language Studies** (TCD)- H4 In one of Mathematics, Applied Mathematics, Physics, Chemistry, Biology, Physics/Chemistry or Agricultural Science (and O6/H6 Mathematics and a H4 in one of English, French, German, Irish, Italian, Russian or Spanish)

- **Common Entry Engineering**; **Aeronautical Engineering**; **Electronic & Computer Engineering**; **Chemical and Biochemical Engineering**; **Electrical Engineering** (UL)- (H4 in Mathematics and O6/H7 in one of Applied Math's, Physics, Chemistry, Physics/ Chemistry, Engineering, DCG, Technology, Computer Science, Biology, Agricultural Science, Construction Technology).
- **Graphics and Construction Technology with concurrent Teacher Education**; **Graphics, Engineering and Technology with concurrent Teacher Education**; (UL)- (O3/ H7 in Mathematics and O4/H7 grade in Applied Mathematics, Physics, Chemistry, Physics/Chemistry, Engineering, DCG, Technology, Construction Technology, Computer Science, Agricultural Science, or Biology)
- **Construction Management & Engineering**, **Technology Management, Product Design and Technology** (UL) (an O3/H7 in Math's, and O4/H7 Applied Mathematics, Physics, Chemistry, Physics/Chemistry, Engineering, DCG, Technology, Construction Technology, Computer Science, Agricultural Science, Climate Change and Sustainable Development or Biology) (and a Portfolio in the case of Product Design and technology)
- **Environmental Science; Food Science and Health; Biological and Chemical Science** (UL) **-** H4 in one of the following: Agricultural Science, Applied Mathematics, Biology, Chemistry, Physics, Physics/Chemistry.
- **Physical Science with Chemistry & Physics (2nd level teaching); Physics** (UL) **-** Maths: H4 and a H4 in at least one of the following: Physics; Chemistry; Physics/Chemistry; Engineering and Applied Mathematics
- **Immersive Bioscience and Biotherapeutics** (UL)- Maths: O6/H7, Biology: H4 and a H5 in two of the following: Chemistry, Physics, Physics/Chemistry, Mathematics, Applied Mathematics, Engineering or Computer Science.
- **Speech and Language Therapy** (UL) - O4/H5 in any one of the following: Biology, Chemistry, Physics, Physics/Chemistry, Applied Mathematics, Computer Science and Agricultural Science.
- **Sport and Exercise Science** (UL) - O3/ H7 in any one of the following: Physics, Chemistry, Physics/Chemistry, Agricultural Science, Biology, Physical Education and Applied Maths.

- **Pharmacy** (ATU Sligo)- Maths O4/H6; Chemistry or Physics/Chemistry H4, and a H4 in Physics, Biology, Applied Mathematics, Geography, Geology, Computer Science or Agricultural Science**.**
- **Clinical Measurement Physiology** (ATU Sligo) (H6/O4 in Math's and H4 in one of: Applied Math's, Physics, Chemistry, Biology, Physics/ Chemistry, Agricultural Science, Engineering or Technology.

- **Agricultural Science: Food Science; Physics & Astrophysics; Public Health Science; Biological and Chemical Science; Biological, Environmental and Geological Science: Chemical Science; Nutritional Science; Science Education – 2nd level Teaching** (UCC)**-** H4 in either a Lab Science subject, Maths or Applied Maths or Computer Science; If the H4 is in Maths, Applied Maths or Computer Science an 06/H7 in a Lab Science subject is also required.

- **Engineering** (Maynooth University) – O6/H7 in Agricultural Science, Applied Mathematics, Biology, Chemistry, Computer Science, Physics, Physics/Chemistry or Technology & H4 Mathematics.
- **Mathematics and Computer Science with Education; Mathematics Education (2nd Level Teaching)** (Maynooth University) - O6/H7 in one of Agricultural Science, Applied Mathematics, Biology, Chemistry, Computer Science, Physics, or Physics/Chemistry & H4 Mathematics**.**
- **Data Science** (Maynooth University) **-** O6/H7 in one of Agricultural Science, Applied Mathematics, Biology, Chemistry, Computer Science, Physics, or Physics with Chemistry & O1/H5 Mathematics
- **Theoretical Physics and Mathematics** (Maynooth University) - O6/H7 in one of Agricultural Science, Applied Mathematics, Biology, Chemistry, Computer Science, Physics, or Physics/Chemistry & H2 Mathematics
- **Science; Science with Education (2nd level Teaching); Physics with Astrophysics** (Maynooth University) **-** O6/H7 in one of Agricultural Science, Applied Mathematics, Biology, Chemistry, Computer Science, Physics or Physics/Chemistry & O4/H7 Mathematics

- **Science (UCD) -** O2/H6 in Maths and an O2/H6 in one of Physics, Chemistry, Biology, Physics/Chemistry**,** Agricultural Science, Applied Mathematics, Computer Science or Geography.

- **Physics – General Entry** (DCU) - O3/H6 in Mathematics and an O3 /H5 in one of Physics, Chemistry, Biology, Physics/Chemistry, Applied Mathematics or Computer Science

Applied Maths is useful for careers in:
Engineering, Technology, Science, Finance, Data analysis, and lots more. For example, **Data Analyst, Software Engineer, Actuary, Financial Analyst, Market Research Analyst Engineer (various branches) –** mechanical, aerospace, civil and electrical engineers**, Mathematical, Meteorologist, Physicist or Research Scientist, Biostatistician, Epidemiologist, Operations & Supply Chain Analyst, Mathematician (Research), Maths Teacher / Lecturer.**

ART — Ms O'Malley

Leaving Certificate Art aims to develop in learners the knowledge, skills, understanding, and values needed to bring an idea to realisation and to respond to, understand, analyse, and evaluate their own work and the work of others. Each learner is a unique individual and will be enabled to develop their own skill set in a personal way. The learner will become aware of the world of Visual Studies, how it can inform their own work and life, and thereby become more aware of their own place in a wider society.

Why Choose Art?
- Mixture of practical project work and visual studies (art theory)
- Develops skills such as problem solving, self-expression and critical thinking
- Work with a variety of media such as printing, painting, clay/3D work, photography, digital art, graphic design, textiles etc.

Requirements:
- Junior cycle art is ideal but not essential
- You can choose Art in senior cycle even if you did not do it for Junior cycle however Ms O'Malley will need to see examples of some drawings / sketches / artwork that you have done to show that you have an active interest in the subject.
- A decent work ethic – you do not need to be an expert artist just willing to learn and work hard.

Course Content:

Art Practical

Various areas of practice including (but not limited to) painting, graphic design, printmaking (Lino & Etching) clay, still life and photography
-Focus on developing and experimenting with ideas based on different themes
-Focus on observational drawings and use of objects & photography to develop ideas
Projects also include looking at artworks by other artists to use as inspiration for your own artwork

Visual Studies (formally known as Art History)
Consists of 3 principal areas of study
-Pre-Christian Irish Art (Stone Age, Bronze Age & Iron Age)
-European Art (Realism, impressionism, and post impressionism)
-Art in Today's world (Visits to Gallery's / museums, explore artwork/artists in the world around us today)

Assessment:

1. Project work (worth 50%)
   Art project completed over a 12-week period starting in January of sixth year
2. Practical Art Exam (worth 20%)
   This is a daylong (5 hour) practical exam completed in the art room which consists of creating one art piece that you have developed the idea for as part of your project work.
3. Visual Studies Written Exam (worth 30%)
   2.5 hour written exam in June of Leaving Cert based on the visual studies course. Consists of a mix of shorter questions and two essay questions

ASSESSMENT COMPONENT	WEIGHTING	LEVEL
Practical coursework	50%	Higher and Ordinary
Practical Examination	20%	Higher and Ordinary
Written examination	30%	Higher and Ordinary

Art and third level:

Art or DCG is a requirement for some Art courses, but it is not always an essential subject for entry into Art College. However, it is highly recommended that intending students take Art at Leaving Certificate level as most Art Courses require a portfolio and it would be extremely difficult for any student to complete an Art portfolio without the guidance of an Art Teacher. The portfolio for entry to Art College should be worked on in LC1 as there is little time in LC2. The portfolio must show the use of varied media and the talents of the student. There should be approximately 20 mounted pieces and a sketch book of work.

Art can meet the requirements for the following third level courses:

- **Animation** (ATU Donegal) (Art or DCG O6/H7 or Portfolio).
- **Visual Communication; Visual Art** (SETU Waterford) (Art or DCG O3/H5)
- **Art, Design and Graphics Education** (DCG and Art teaching) (ATU GALWAY) (H5 Art or DCG)
- **Graphic Communication Design; Interior Architecture; Fashion Design** (Griffith College Dublin) (O6/H7 Art or Maths in addition, level 8 courses require a portfolio; level 7 do not).
-

A Portfolio is required for entry to the following courses:

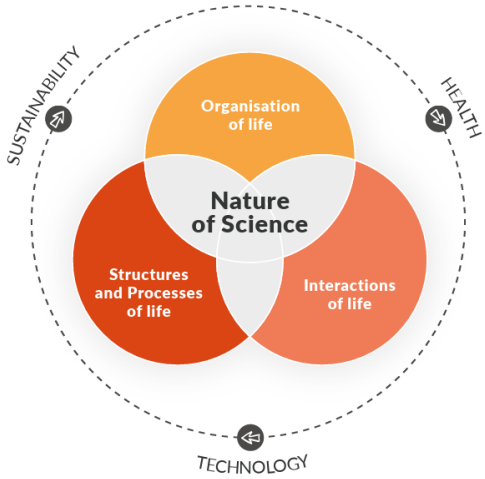
- **Animation and Illustration; Graphic and Digital design; Digital Engineering, Graphic Design** (level 7) (TUS Athlone) (Portfolio)
- **Art and Design (common entry); B. Ed. Art and Design; Interior Design** (TUS Limerick) (Portfolio)

- **Digital Animation; Game Art and Design; Visual Effects for Film, TV and Animation** (TUS Clonmel) (Portfolio)
- **Art** (SETU Wexford) (Portfolio; E-portfolio at level 7))
- **Contemporary Applied Art; Fine Art; Visual Communications**; (MTU Crawford) (Portfolio)
- **Animation, Visual effects, and Motion Design;** (MTU Kerry) (Portfolio)
- **Art** (ATU Galway) (Portfolio)
- **Fine Art** (ATU Sligo) (Portfolio)
- **Graphic Design; Art; Amination; Photography and Visual Media; Film; Television; Design for Film; 3D Animation** (IADT) (Portfolio); in addition, Film: Pathfinder (Ireland, Belgium, Portugal or Bulgaria) require a portfolio and an interview.
- **Graphic Communication Design; Interior Architecture; Fashion Design** (Griffith College Dublin) (depending on level a Portfolio or O6/H7 Art or DCG may be required).
- **Art and Design (Common Entry); Graphic Design and Moving Image Design; Textiles & Surface Design & Jewellery & Objects; Fine Art & Applied Art; Education and Art or Design (Second Level Teaching); Fashion Design; Illustration;** (NCAD) (Portfolio and an O6/H7 in Art, 3rd Language or DCG); Visual Culture (portfolio required). In addition, for **Product Design** and **Interaction Design** a portfolio is optional, but worth up to 200 CAO points,
- **Product Design and Technology** (UL) (O3/H7 in Math's and O4/H7 in Applied Mathematics, Physics, Chemistry, Physics/Chemistry, Engineering, DCG, Technology, Construction Technology, Agricultural Science, Biology, Computer Science or Climate Action and Sustainable Development, plus a portfolio (not LC Art)).
- **Design (visual communications); Fine Art; Interior Design;** (TU Dublin); **Visual Merchandising and Display** (TU Blanchardstown) (Portfolio)
- Some schools of **Architecture** recommend Art and can even prefer it to the study of DCG. An art-based portfolio is required for Architecture at the University of Limerick; a suitability test and interview may be required for Architecture in TU (Dublin).

<u>Art is useful for careers in:</u>
Art is a highly versatile subject, which prepares pupils for a wide range of careers such as Marketing and Design in the Industrial, Commercial and Advertising Areas; Media Work in T.V. and Video Design Production; Fashion Design and Industry; Computer Game Design; Web Designer; Craft Businesses; Product Design; Architecture; Florist; Graphic Design; Occupational Therapist; Environmental Design; Teacher of Art; Marketing Merchandiser; Gallery and Museum Work; Interior Designer; Tattoo Artist; Photographer;

BIOLOGY — Mr Parsons /Ms Rowland / Ms McMullin

Biology is 'The Study of Life' in all its variety of forms. Humans share this planet with one and a half million species of animals and plants, many of which are essential for our survival as a species. It follows, therefore, that knowledge of the science of biology is essential for an understanding of human life and the living environment around us. Through the study of biology students employ the processes of science in their investigations and explore the diversity of life and the inter-relationship between organisms and their environment. Students develop an understanding and knowledge of the unit of life – the cell – whose structures and processes are shared by all living organisms and, in so doing, gain an insight into the uniqueness, function and role of organisms, including themselves. In addition, they become aware of the use by humans of other living organisms and their products to enhance human health and the human environment and make informed evaluations about contemporary biological issues.



There are four strands to the Biology Syllabus: a unifying strand, Nature of Science, and three contextual strands, Organisation of Life, Structures and Processes of Life, and Interactions of Life. The specification identifies three crosscutting themes – Health, Sustainability and Technology. These themes, illustrated as surrounding the contextual strands, permeate and provide contexts for the study of these strands. They act as lenses through which students explore the application of knowledge from biology. Through these lenses, students engage with contemporary issues in biology as they pose questions and integrate and apply their learning from across the specification.

The course covers a wide range of topics related to life sciences, divided into three major units:

1. The Study of Life (Organization of Life)

- **Scientific method**: Principles of biology, experimentation, data collection
- **Food & biomolecules**: Carbohydrates, proteins, lipids, vitamins
- **Cell structure & function**: Microscopy, cell organelles
- **Enzymes & metabolism**: Role of enzymes, factors affecting enzyme activity
- **Ecology**: Ecosystems, food chains, nutrient cycles, human impact on the environment

2. The Cell (Structures and Processes of Life)

- **Cell division**: Mitosis and meiosis
- **Genetics**: DNA structure, replication, protein synthesis, Mendelian genetics
- **Photosynthesis & respiration**: Stages, factors affecting them
- **Microbiology**: Bacteria, viruses, fungi, their roles and control

3. The Organism (Interaction of Life)

- **Plant biology**: Transport, reproduction, growth regulators
- **Human biology**: Digestive, circulatory, respiratory, nervous, endocrine, and reproductive systems
- **Defence against disease**: Immune system, vaccinations
- **Homeostasis**: Regulation of internal conditions
- **Reproduction & inheritance**: Fertilization, development, genetics

Biology will be assessed through two assessment components: a written examination and an additional assessment component comprising a Biology in Practice Investigation. This **mandatory practical component** may involve students performing experiments, such as testing for biomolecules, enzyme activity, and ecology fieldwork

Assessment component	Weighting	Level
Biology in Practice Investigation	40%	Common brief
Written examination	60%	Higher and Ordinary level

Table 2: Overview of Assessment for Certification

Biology is required for the following third level courses:

Biology as a life science is a ground level subject which leads directly to many 'Bio' orientated 3rd level courses such as Medicine, Veterinary Science, Dentistry, Biochemistry, Microbiology, Food Technology, Nursing and Beauty Therapy. It is accepted for 207 courses as a science subject, but 5 courses require specifically Biology as an entry requirement:

- **Genetics** (UCC)- H4 in Biology.
- **Human Health & Disease** (TCD)- H4 in Biology and a H4 in one of Physics, Chemistry, Physics/Chemistry
- **Physiotherapy; Health Science with Dietetics Studies, Health Science with Occupational Studies and Health Science with Physiotherapy Studies** - ATU Donegal - H5 in Biology
- **Immersive Bioscience & Biotherapeutics** (UL)-H4 Biology and H5 in 2 of Physics, Chemistry, Physics/Chemistry, Engineering, Computer Science, Maths or Applied Maths.
- **Veterinary Medicine** (SETU Waterford)- H4 in Biology or Chemistry
- **Veterinary Medicine** (UCD) - H5 in Chemistry is required and Biology at Leaving Certificate, though not required, is strongly recommended by UCD.
- **Veterinary Nursing** in Dundalk IT required a H5 in either Agricultural Science or Biology.
- **Pharmacy Technician** (TU Dublin) – O6/H7 in Biology, Chemistry or Physics/Chemistry.

Biology is useful for careers in:

Agriculture; Horticulture; Animal Trainer; Ambulance Driver; Biochemist; Biologist; Science Teacher; Dental Hygienist; Dentist; Dietician; Doctor; Nurse; Farmer; Fisherman; Food Science Technician; Forester; Laboratory Assistant; Marine Biologist; Naval Officer; Laboratory Technician; Occupational Therapist; Radiographer; Pharmacist; Psychologist; Speech and language Therapist; Veterinary Surgeon; Optician; Physiotherapist; Bio-Engineering; Conservation Worker; Environmental Protection; the Brewing industry.

BUSINESS — Ms Dolan/ Mr Davoren / Ms Murray / Mr Fallon

Business is concerned with the understanding of the environment in which business operates in Ireland and in the wider world. Business touches everyone's life whether we know it or not. One cannot turn on the television, listen to the radio or read a newspaper without encountering the subject. How much better it would be to have a proper background in the subject before one stumbles across it in real life, in the workplace, through dealings with financial institutions or paying tax. Business will clarify in our minds many of the terms or buzz words which we are constantly exposed to and yet unclear of, for example "Enterprise," "Marketing" and "Return on investment." The course aims to develop students' understanding of the significance of business in both the Irish and international economies. It emphasises fostering an appreciation of how the business world operates and its relevance to students' lives.

The curriculum is structured around several interconnected strands, each focusing on different aspects of business education:

1. **Investigating Business:** Encourages students to research and analyze real-world business scenarios to understand the complexities of the business environment.
2. **Exploring the Business Environment:** Focuses on the various elements that impact businesses, such as market structures, economic policies, and technological advancements.
3. **Understanding Enterprise:** Covers the fundamentals of entrepreneurship, including idea generation, business planning, and the challenges of starting and running a business.
4. **Leading in Business:** Examines leadership theories, management functions, and the role of effective communication in achieving business goals.
5. **Being Informed and Making Informed Decisions:** Emphasizes the importance of data analysis, financial literacy, and ethical considerations in business decision-making.

There are two assessment components: a written examination and an Additional Assessment Component comprising (AAC) comprising of the Business Alive Investigative Study.

Assessment component	Weighting	Level
Business Alive Investigative Study	40%	Common brief
Written examination	60%	Higher and ordinary level examination papers

Table 2: Overview of assessment for certification

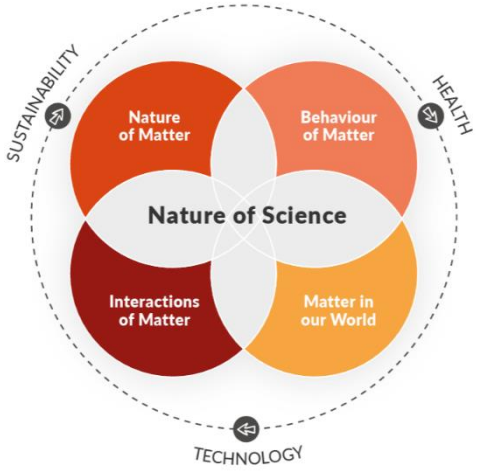
Business is required for the following third level courses:
Business forms an intricate part of any third level business course. However, it is not a requirement for entry to any particular course at third level.

Business is useful for careers in:
Business Industry; Banking; Accountancy; Administration; Clerical Work; Insurance; Stockbroker; Law; Customs and Excise; Management; Marketing; Sales; Stock Control; Credit Control; Taxation; Public Relations; and Teaching.

CHEMISTRY — Ms McMullin / Ms Molloy

The study of Chemistry in senior cycle is desirable not only for those who wish to pursue a career in science, or in careers allied to science, but also for those who wish to gain a deeper understanding of the world around them. Chemistry is very much the central foundation science subject, which makes it ideal to pair with Physics or Biology.

The **Leaving Certificate Chemistry** specification is structured around five interrelated strands:



1. **The Nature of Science**: This unifying strand emphasizes the scientific method, critical thinking, and the role of chemistry in society.
2. **The Nature of Matter**: Focuses on the composition, structure, and properties of matter, including atomic theory and the periodic table.
3. **Behaviour of Matter**: Examines chemical reactions, kinetics, thermodynamics, and equilibrium.
4. **Interactions of Matter**: Explores chemical bonding, intermolecular forces, and the interactions leading to various chemical compounds.
5. **Matter in Our World**: Applies chemical principles to real-world contexts, such as environmental chemistry, industrial processes, and the role of chemistry in everyday life.

The curriculum integrates cross-cutting themes like sustainability, technology, and health throughout the strands. This approach aims to develop students' curiosity and enthusiasm for chemistry, nurturing them into scientifically literate citizens and lifelong learners

Assessment component	Weighting	Level
Chemistry in Practice Investigation	40%	Common brief
Written examination	60%	Higher and Ordinary level

Table 2: Overview of Assessment for Certification

There are two assessment components: a written examination and an additional assessment component comprising of a Chemistry in Practice Investigation. The practice assessment is expected to be a **practical exam or coursework** where students complete a set of experiments under exam conditions. It may include a **written reflection or report** on their findings, conclusions, and how the experiment connects to chemistry concepts. These could include titrations, rates of reaction, electrolysis, chromatography, and organic synthesis.

Chemistry is required for the following third level courses:

Not only is the place of chemistry central to most courses in Natural Sciences offered in third level education, but it is also an essential element in the study of Medicine, Dentistry, Veterinary Science, Physiotherapy, Engineering, Agricultural Science, Nursing, Pharmacy, Medical Laboratory Technology, and numerous technician courses. It is a specific requirement for entry for 7 courses and meets the requirement for a science subject for a further 204 courses. These include:

- **Veterinary Medicine** (UCD) (H5 in Chemistry. Biology at Leaving Certificate is not required but it is strongly recommended).
- **Dentistry, Medicine and Pharmacy** (UCC) (H4 in Chemistry and either Physics or Biology)
- **Dentistry and 5-year Medicine** (RCSI) (H4 in Chemistry and either Physics or Biology)
- **Pharmacy** (TCD) (H4 Chemistry or Physics/Chemistry and H4 in one of Physics, Biology, Mathematics, Applied Mathematics, Geography, Agricultural Science or Computer Science).
- **Pharmacy** (ATU Sligo) – H4 in Chemistry or Physic/Chemistry and a H4 in Biology, Physics, Applied Maths, Geography, Computer Science, or Agricultural Science.
- **Pharmacy** (SETU Waterford) – H4 Chemistry and a H4 in Biology, Physics, or Agricultural Science.
- **Veterinary Medicine** (SETU Waterford)- H4 in Biology or Chemistry
- **Veterinary Medicine** (UCD) - H5 in Chemistry is required and Biology at Leaving Certificate, though not required, is strongly recommended by UCD.
- **Veterinary Medicine and Surgery** (ATU Letterkenny) – H4 Chemistry or Physics/Chemistry and H4 in Biology, Physics or Agricultural Science.
- **Medical and Health Sciences** (UCC) (H4 in Chemistry and O6/H7 Physics, Biology or Agricultural Science)
- **Human Nutrition and Dietetics** (TU Dublin) (H4 in Chemistry)
- **Immersive Bioscience & Biotherapeutics** (UL)-H4 Biology and H5 in 2 of Physics, Chemistry, Physics/Chemistry, Engineering, Computer Science, Maths or Applied Maths.
- **Pharmacy Technician** (TU Dublin) – O6/H7 in Biology, Chemistry or Physics/Chemistry.

Chemistry is useful for careers in:

Pharmacist; Dental Surgeon; Dietician; Doctor; Engineering; Food Science Technologist; Industrial Chemist; Medical Laboratory Technician; Nurse, Optician, Pharmacist; Psychotherapist; Pilot; Polymer Scientist; Radiographer; Speech and Language Therapist; Forensic Science; Photographic Processing; Cosmetic Science; Quality Control and Biotechnology; Fuel Technologist; Veterinary Surgeon.

CONSTRUCTION TECHNOLOGY — Mr Weldon / Ms O'Neill / Mr Reddin / Mr Molloy

If you like **making things**, **figuring out how stuff works**, **design**, or **hands-on learning**, Construction Technology gives you the tools and skills to understand the modern built world — and even start creating it yourself. The subject is about how buildings, houses, and the spaces around us are designed, built, and made to work safely and efficiently. It's hands-on, creative, and very practical. The course is built around **four main strands**.

1. The Built Environment: This part helps you understand the world around you — towns, cities, houses, and even outdoor spaces. You'll learn about how buildings affect the environment; how communities are designed; and sustainability in construction (e.g., energy use, materials)

2. Design, Craft Skills, and Materials: This is the hands-on, workshop-based side of the course. You'll learn how to use tools safely; work with materials like timber, plastics, and metals; design and make small projects; develop practical craft skills you can use in real life.

3. Building Fabric (The Structure of Buildings): This strand looks at **how buildings are put together**. You'll learn about walls, floors, roofs, and insulation; how buildings are made safe, strong, and comfortable; ways to keep heat in and damp out. You'll basically understand **what's behind the walls** of any home!

4. Services and Control Technology: This is all about the "tech" inside buildings. You'll explore things like heating systems, water and plumbing, electrical systems, smart controls (like sensors and automation). This helps you understand how modern homes and building's function.

You will learn through, Practical work, Projects, Investigations, Design tasks

The assessment of the syllabus is broken into three components:

Assessment component	Weighting	Level
Exploring the Constructed Environment	30%	Common Brief
Craft Skills Assessment	20%	Common Prescribed Task
Written examination	50%	Higher and Ordinary Levels

Construction Technology is required for the following third level courses:

While Construction Technology is not a sole requirement for any course, it can meet the entry requirements for approximately 14 courses. The following is an illustrative list:

University of Limerick**:**

- **Common Entry Engineering**; **Aeronautical Engineering**; **Electronic & Computer Engineering**; **Chemical and Biochemical Engineering**; **Electrical Engineering** (UL)- (H4 in Mathematics and O6/H7 in one of Applied Math's, Physics, Chemistry, Physics/ Chemistry, Engineering, DCG, Technology, Computer Science, Biology, Agricultural Science, Construction Technology).
- **Graphics and Construction Technology with concurrent Teacher Education**; **Graphics, Engineering and Technology with concurrent Teacher Education**; (UL)- (O3/ H7 in Mathematics and O4/H7 grade in Applied Mathematics, Physics, Chemistry, Physics/Chemistry, Engineering, DCG, Technology, Construction Technology, Computer Science, Agricultural Science, or Biology)
- **Construction Management & Engineering**, **Technology Management, Product Design and Technology** (UL) (an O3/H7 in Math's, and O4/H7 Applied Mathematics, Physics, Chemistry, Physics/Chemistry, Engineering, DCG, Technology, Construction Technology, Computer Science, Agricultural Science, Climate Change and Sustainable Development or Biology) (and a Portfolio in the case of Product Design and technology)

Other HEI's

- **Design Graphics and Construction Education** at Letterfrack (ATU)- (H5 in DCG or Construction Technology).
- **Product Design**; **Interaction Design** (NCAD)- O6/H7 Maths or O6/H7 in Applied Mathematics, Physics, Chemistry, Physics/Chemistry, Engineering, Construction Technology, Agricultural Science, DCG, Biology. There is also an optional Portfolio
- **Project and Construction Management** (University of Galway) (O6/H7 in Agricultural Science, Biology, Chemistry, Computer Science, Physics/Chemistry, Physics, Technology, Engineering, DCG or Construction Technology

Construction Technology is useful for careers in:
Auctioneering; Engineering; Construction Industry; Interior Design; Architecture; Quantity Surveyor; Town Planner; Construction Teacher; Property Development; Bricklayer; Decorator; Sheet Metal Worker; Carpenter; Plasterer; Welder; Electrician; Plumber; Machine Operator; Stone Cutter; Slate/Roof Tyler; Tool Maker; Glazier; Floor Tiler; Heating and Ventilation Technician; Firefighter; Insurance Claims.

DESIGN AND COMMUNICATION GRAPHICS (Technical Graphics) Ms O'Neill / Mr Reddin

Design and Communication Graphics is the graphic language of Technology. When Architects, Engineers, and Interior Designers, for example, want to communicate their ideas or designs, they use Technical Drawing. It has its own set of rules and regulations that govern how it is used, common worldwide. It is therefore a truly universal language. Design and Communication Graphics is distinguished from other forms of drawings because it requires accuracy and precision. DCG is an educational experience in the broadest sense as it provides students with a body of knowledge and develops their intellect and creative abilities in topics that are appropriate and meaningful in a technological world. This programme is intended to develop the creative thinking and problem-solving abilities of students. The Design and Communication Graphics course makes a unique contribution to cognitive and practical skills development. These skills include graphicacy/graphic communication, creative problem solving, spatial abilities/visualisation, design capabilities, computer graphics and CAD modelling. The creative and decision-making capabilities of students in the activities associated with design are developed through three principal areas of study: design and communication graphics, plane, and descriptive geometries, and applied graphics.

There are two assessment components:
1. A student assignment (40% of the examination marks, of which CAD will form a component)
2. A terminal examination paper (60% of the examination marks)

Design and Communication Graphics is required for the following third level courses:
It is not a sole requirement for any course, but it can meet the entry requirements approximately 24 courses - The following is again an illustrative list. 14 of these can also accept Construction or another subject, and 10 further courses largely accept DCG or Art or other Science or technology subjects:

14 in common with Construction Technology

- **Common Entry Engineering**; **Aeronautical Engineering**; **Electronic & Computer Engineering**; **Chemical and Biochemical Engineering**; **Electrical Engineering** (UL)- (H4 in Mathematics and O6/H7 in one of Applied Math's, Physics, Chemistry, Physics/ Chemistry, Engineering, DCG, Technology, Computer Science, Biology, Agricultural Science, Construction Technology).
- **Graphics and Construction Technology with concurrent Teacher Education**; **Graphics, Engineering and Technology with concurrent Teacher Education**; (UL)- (O3/ H7 in Mathematics and O4/H7 grade in Applied Mathematics, Physics, Chemistry, Physics/Chemistry, Engineering, DCG, Technology, Construction Technology, Computer Science, Agricultural Science, or Biology)
- **Construction Management & Engineering**, **Technology Management, Product Design and Technology** (UL) (an O3/H7 in Math's, and O4/H7 Applied Mathematics, Physics, Chemistry, Physics/Chemistry, Engineering, DCG, Technology, Construction Technology, Computer Science, Agricultural Science, Climate Change and Sustainable Development or Biology) (and a Portfolio in the case of Product Design and technology)
- **Design Graphics and Construction Education** at Letterfrack (ATU)- (H5 in DCG or Construction Technology).
- **Product Design**; **Interaction Design** (NCAD)- O6/H7 Maths or O6/H7 in Applied Mathematics, Physics, Chemistry, Physics/Chemistry, Engineering, Construction Technology, Agricultural Science, DCG, Biology. There is also an optional Portfolio
- **Project and Construction Management** (University of Galway) (O6/H7 in Agricultural Science, Biology, Chemistry, Computer Science, Physics/Chemistry, Physics, Technology, Engineering, DCG or Construction Technology

DCG or ART:

- **Art, Design and Graphics Education** (Teaching) (ATU GALWAY)- H5 in Art or DCG
- **Design- Visual Communication**: **Visual Art** (SETU Waterford) (Art or DCG: O3/H5)
- **Animation** (ATU Donegal) (Art or Graphic Design O6/H7 or Portfolio).

Other Courses:

- **Science with Nanotechnology**; **Physics with Medical Physics & Bioengineering**; **Physics Technology**; **Physics with Data Science**; **Physics with Energy and Environment** (TU Dublin) – (Math's 03/H7 and H4 in one of: Physics, Chemistry, Physics/Chemistry, Biology, Mathematics, Applied Mathematics, Agricultural Science, Engineering, Technology or DCG).
- **Mechanical and Manufacturing Engineering** (SETU Waterford) (H5 or better in Laboratory Science (Physics, Chemistry, Biology, Physics/Chemistry and Agricultural Science) or Technical (Engineering, Technology, Technology, DCG) subject compensates for not making the required grade in Mathematics (O3/H7).

Design and Communication Graphics is useful for careers in:
Design and Communication Graphics may be contributory towards a variety of careers, which might include Civil and Structural Engineering; Interior Design; Architecture; Building Services; Teaching; Aircraft Technician; Industrial Design; Motor Mechanic; Town Planner; Industrial Engineer; Apprenticeships; Structural Design; Mechanical Engineer; Carpenter; Bricklayer; and Printing.

FRENCH — Ms Heeney / Ms Hogan

French is the language of diplomatic circles and high finance today. It is one of the main working languages of the UN and the EU. The Leaving Certificate syllabus enables pupils to develop a high competency in the language by fostering the four language skills- reading, writing, speaking, and listening. French provides students with the knowledge of the grammatical workings of the language, which will assist them in further study whether for academic, business or leisure purposes. It offers insights into the culture and civilization of France and encourages an openness of mind to the customs and culture of other people.

The Leaving Certificate examination at both Higher and Ordinary Levels consists of the same component, with different mark allocations as follows:

Higher Level	Ordinary Level
Speaking (oral examination) 25%	Speaking (oral examination) 20%
Listening comprehension 20%	Listening comprehension 25%
Reading comprehension 30%	Reading comprehension 40%
Writing 25%	Writing 15% (tests of written production, letter writing etc.)

A Language is required for the following third level courses:
Let us start by clearing up one misconception- You do not need a foreign language for all third level studies.

The National University of Ireland requires a pass in a third language for entry to almost every course in the faculties of Business, Arts, Law, Medicine, Social Science, Veterinary, Physiotherapy, Radiography, Sports Performance - University College Dublin, University of Galway, RCSI, University College Cork and Maynooth University. The exceptions are- All nursing courses (all colleges); and All Engineering and some Science programmes; Business and Law courses at Maynooth University and the NCAD no longer requires a third language.

You may also need a third language to become an Army, Navy, or Air Corps cadet.

Students who have language exemptions (i.e., due to hearing problems or dyslexia) are also exempt from this requirement at third level and in the Defense Forces. Trinity College in Dublin, Mary Immaculate College and the University of Limerick accept Irish as fulfilling its second-language requirement. Dublin City University and the Institutes of Technology require a continental language only if the course involves its study.

French is required for entry to 8 courses in the CAO and may be required for a further 480 courses (191 of which are a third language requirement). It can meet the H4 or H3 requirement in a Third Language for many more language-based CAO courses. In addition, in many languages courses French is not offered at beginner's level, so a H3/H4 of often required to study French, but this may not always be the case for other languages such as Spanish, Italian, Chinese, Japanese etc.

8 courses where French is specifically required for entry at CAO offers stage:

- **Arts with French** (UCC)- French 06/H7
- **Law and French**; **Business Studies with French** (TCD)- H3 French
- **French and Modern Languages** (TCD) – H4 French
- **Commerce International with French** (University of Galway) - H3 in French
- **Law & French**; (UCC) H3 in French
- **Global Business – France** (DCU) O4 or H6 in Mathematics and H4 in French.
- **Common and Civil law** (UL) – O6/H7 in French

Courses where French is required less specifically, two colleges as an example (See pages 11-12 for more):

University of Galway:

O6/H7	Joint Honors Arts (See page 13 for subject choices), Children and Youth Studies, Digital Arts and Technology, Drama Theatre and Performance Studies, Creative Writing and English, Film and Digital Media, Arts- Global Experience, Arts- Global Media, History, Journalism, Mathematics and Education (Second Level Teaching), Music, Human Rights, Business Information Systems, Commerce, Commerce-Accounting, Commerce- Gaeilge, Commerce-Global Experience, Education - Computer Science & Mathematical Studies - Second Level Teaching, Government - Politics Economics & Law, Law and Business, Law, Law & Human Rights, Law & Criminology & Criminal Justice, Medicine, Cumarsáid agus Gaeilge, Gaeilge Léann an Aistriuchain, Occupational Therapy, Podiatric Medicine, Psychology, Social Science and Sustainability, Speech & Language Therapy
O6/H7	Financial Mathematics and Economics (O6/H7 in either a 3rd language or Biology, Physics, Chemistry, Physics/Chemistry or Agricultural Science,
O2/H6	Biotechnology
H4	Arts Global Languages, Commerce international with Spanish (H4 a third language)

University of Limerick:

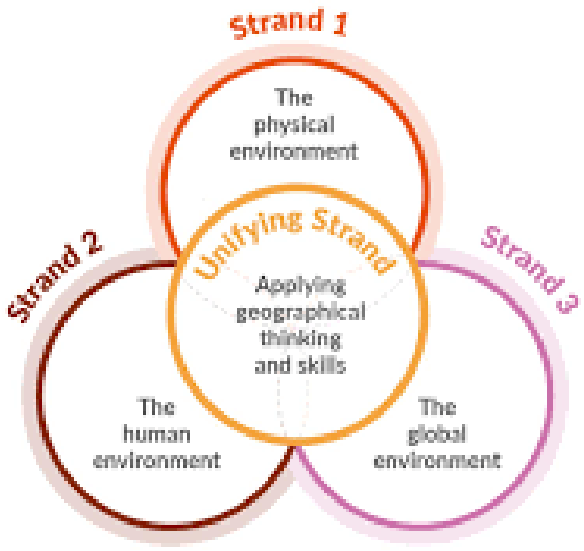
H3	European Studies (H3 in a language other than English), Applied Languages (H3 in French, German, Japanese, Spanish or Irish), Languages with concurrent teacher education (H3 in French, German, Japanese, Spanish or Irish); Common and Civil Law (H3 French)
H4	Business Studies with French (H4 French); Business Studies with Japanese (H4 Irish or another language); Business Studies with Spanish (H4 in Spanish for advanced level; H4 in any modern language for beginners' level); Arts with French (UL) – H4 French needed to study French

If you were born outside of Ireland and have an **exemption from Irish**, you will **need to study French or Spanish (or another language at Leaving Certificate level)** to meet the second language requirement for entry to **TCD, Mary Immaculate and UL**.

French is useful for careers in: Flight Attendant; Air Traffic Controller; Au Pair; Bilingual Secretary; Chef; Hotel Manager; Receptionist; Marketing; Export Careers; Interpreter; Translator; International Driver; Pilot; Travel Agency Clerk; Waiter; Journalist; Telemarketing; Department of Foreign Affairs; European Union, United Nations; Defense Forces.

GEOGRAPHY Ms Cassidy / Ms Cahir/ Mr Corcoran/ Mr Mannering / Ms Larkin

The geography senior cycle course is all about **understanding the world around you** — the landscapes you see, the people who live in them, and how everything is connected. There are 2 main strands to learning.



1. **Where We Live – The Physical Environment:** This strand explores **natural world stuff**, like how mountains, rivers, coasts and glaciers form; why earthquakes, volcanoes and storms happen; how climate and weather work; and how humans interact with physical landscapes. Basically, you get to understand the **science behind the planet's shape and behaviour**.

2. Where We Live – The Human Environment: Here you'll learn about **people and places**, including why towns and cities grow; how populations change; how cultures and societies develop; and how people use land, resources, and space. It helps you understand **why the world is organised the way it is**, and why different places feel different.

3. How We Live – The Connected Environment: This part is all about **how everything fits together** globally. It includes topics such as trade, migration, and globalisation; environmental challenges like climate change; how decisions in one place affect people elsewhere; and how countries work together (or don't). You'll learn how the world is **interlinked**, and how your own choices can affect the planet.

Skills You'll Build Throughout the Course: Geography isn't just facts — you'll develop powerful skills like asking good questions about real-world issues; investigating and gathering data; using maps, images, graphs, and digital tools; thinking critically and solving problems; making decisions based on evidence. These skills help you become more **informed, aware, and confident** about understanding the world.

Assessment will take the form of a terminal written examination and an applied Geography Project

Assessment component	Weighting	Level
Applied Geography Project	40%	Common brief
Written examination	60%	Higher and Ordinary levels

The written examination consists of a variety of question types.

<u>Geography is required for the following third level courses:</u>
Geography is not a sole requirement for any course; it can be useful in many courses. It can meet an entry requirement for 9 courses:

- **Biological and Geographical Sciences** (Maynooth University)- O6/H7 in one of Agricultural Science, Biology, Chemistry, Computer Science, Geography, Physics or Physics/Chemistry.
- **Environmental Science and Engineering** (TCD)- H4 Math's and H4 in Physics, Chemistry, Biology, Physics/Chemistry, Geology, Geography, Agricultural Science, or Computer Science.
- **Pharmacy** (TCD) - H5 Chemistry or Physics/Chemistry and H4 in Physics, Biology, Mathematics, Applied Mathematics, Geography, Agricultural Science or Computer Science.
- **Pharmacy** (ATU Sligo) **-** H5 Chemistry or Physics/Chemistry and H4 in Physics, Biology, Applied Mathematics, Geography, Geology, Agricultural Science or Computer Science.
- **Science (UCD)-** Min O2/H6 in a Lab Science or Applied Mathematics, Geography or Computer Science.

- **Geography and Geoscience**; **Chemical Sciences**; **Biological & Biomedical Sciences**; and **Physical Sciences** (TCD) H6 /O4 Math's and H4 in two of Physics, Chemistry, Biology, Physics/Chemistry, Mathematics, Geology, Geography, Applied Mathematics, Agricultural Science, Computer Science. (certain combinations such as Math's and Applied Math's are not permitted)
- **PE with concurrent Teacher education** (2nd Level ed) (UL) – desirable to have Geography at H4 if taking this elective.

Geography is useful for careers in:
Engineering; Construction; Planning; Tourism; Archaeology; Meteorology; Environmental Protection; Surveying; Landscape; Architecture; Agriculture; Forestry; Marketing; Leisure Industry; Local Government; Conservation Work; Air Traffic Controller; Marine Officer; Developmental Work Abroad; Naval Cadet; Pilot; Quantity Surveyor; Education; Distributive Trades; Mining and Energy Industries.

HISTORY — Ms Farrell / Mr Kinevane

Studying history will develop in you an appreciation of the society in which you live and of other societies, both past and present. You will also develop an awareness of your historical heritage and gain insight into your own identity and tradition. You will develop an understanding about different concepts that are relevant to life today, such as democracy and human rights, power and authority, and conflict and reconciliation. History is unique in that it is the only subject that investigates how aspects of human life and human institutions have undergone change over time. You will learn about how such change has taken place in Irish history and the history of Europe and the wider world. Your study will deal with political, social, economic, cultural, religious, and scientific history.

Much of popular culture, whether in films, literature, or theatre, draws on history for inspiration. Many of the issues that affect the planet on a daily basis have their roots in history also, and knowing this history helps us to understand them. History also helps to deepen our understanding of events and people, as it gives us context and a sense of perspective. This may explain why history books and films are so popular nowadays with people who did not study the subject in school, but who now enjoy it as a hobby and can see its relevance. You will encounter many issues and events, both in Irish history and in the history of Europe and the wider world, which have helped to shape the world we live in. You will also learn about the role of many interesting key personalities, from various walks of life, in shaping the past. You will develop analytical skills and the ability to select relevant information, making this a useful subject to study if you decide to take Arts or a Law Degree.

Assessment:

- Research study pre-submitted (can be of local/national and/or international significance) (20%)
- A terminal Examination which includes: - A Study of Documentary Evidence (20%)
  - General Questions (60%)

The terminal examination explores areas from the Later Modern field of study (4 topics to be studied; two from Irish history, and two from Europe and the Wider World). Each topic is studied from a range of perspectives. For most topics, this involves the study of the following aspects of a topic: politics and administration; society and economy; culture, religion, and science. In addition, each topic has three associated case studies, which involves an in-depth investigation of a particularly significant or representative aspect of an element of the topic; and a list of key personalities and key concepts. Study includes the following topics:

Irish History, 1815-1993
1. The pursuit of sovereignty and the impact of partition, 1912-1949
2. Politics and society in Northern Ireland, 1949-1993

History of Europe and the wider world, 1815-1992
1. Dictatorship and democracy, 1920-1945
2. The United States and the world, 1945-1989

History is useful for careers in:
Politics; Journalism; Town Planning; Economics; Local Government; Social Work; Sociology; Archaeology; Barrister; Civil Servant; Guide; History Teacher; Law Clerk; Museum Work; Researcher; Solicitor; Trade union Official; Prison Service; Probation Officer; Garda; Writer; Tourism; Librarian.

MUSIC Ms Hogan

Leaving Certificate Music focuses on three interconnected areas of musical experience: **performing, composing, and listening**. Students can choose individual and/or group performance options, develop their understanding of musical structure and form through composition, and build rich aural skills by engaging with music from a variety of periods, styles, and genres.

Assessment:
1. *Performance* (25%)
   - Students may perform individually or as a group (Senior choir, band etc.). The standard required is that of a student performing in a school context for 5 years.
2. *Listening* (25%) - includes:
   - four prescribed works of different historical context
   - Irish music
   - general aural skills, i.e., rhythm, melody, vocal & instrumental timbres
3. *Composition* (25%) - includes:
   - melodic & harmonic composition
   - melody writing
   - adding chord symbols (e.g., guitar chords) to melody
   - adding bass notes (base line) to melody
   - exploring assorted styles of writing from popular to 'classical'
4. *Remaining* 25%
   - students may undertake any one of the above activities as a "higher elective" e.g., performance could total 50 % of total. (Ordinary level students choose one of the three activities to represent 50% of their work with no extra work, while Higher Level students undertake a Higher-Level Elective in one of the three activities that best suits their talents).

The course was designed with the students in mind, so that a package of study areas can be selected to suit the strengths and interests of individual students. The core activity areas of the course include Rock Music (prescribed works by The Beatles / Queen) and Music Technology. A core (up to 50%) of the course can be undertaken in performance- singing, playing an instrument, accompaniment, conductor. However, it is not necessary for the Leaving Certificate to have a musical instrument, as 25% of the practical can be through the medium of computers- inputting music and performing three edits and printing out the finished product.

Music is required for the following third level courses:
While Leaving Certificate music is not a requirement to study all Music courses at third level, particular standards must be achieved, as there are usually a theory (music reading) and practical examination for entry. Those applying would be expected to have reached Grade 7 in a particular instrument. This is an illustrative list of the mix of requirements for music courses:

Courses that require Music:
- **Arts (with Music)** (Maynooth University) H5 Music required if taking Music as an elective.
- **Arts (with Music)** (UCD) - Strongly recommend H4 Music, or Grade 5 ABRSM Music Theory.
- **Post Primary Teacher Education - Religious Education & Music** (DCU) - H4 music or equivalent at discretion of Head of Music.

- **Theology and Arts** (Music); (Pontifical University, St. Pat's College Maynooth)- H5 Music required if taking Music as an elective.

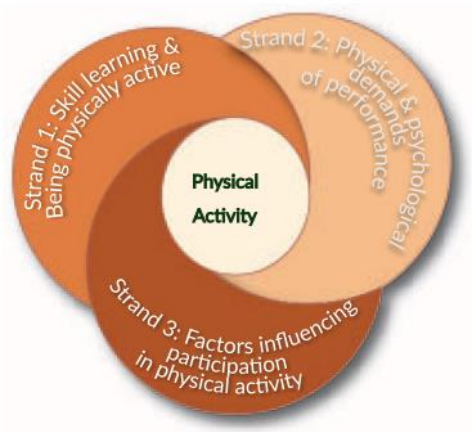
Courses that require an Audition/Music test etc. for entry

- **Music** (SETU Waterford) - audition.
- **Music (Popular Music - Bass Guitar; Electric Guitar; Drums; Keyboard, Voice)**; **Musical Theatre; Music; Theatre and Drama Studies** at MTU Cork School of Music (MTU CORK) – Entrance test
- **Music** (UCC) - Applicants are required to pass a special music test
- **Music Production for Games** (Griffith College Dublin)- Portfolio
- **Jazz and Contemporary Music Performance** (DCU) – Music Audition
- **Creative Music Production** (IADT) – Audition for practice stream or portfolio for production stream.
- **Music Education** (TCD)- Entrance test followed by an interview/audition (two contrasting pieces on their main instrument).
- **Irish Music; Irish Dance; Contemporary Dance; Voice; Music** (UL)- Vetting audition (play/sing two pieces of your own choosing in any style or genre/ one solo dance performance).
- **Music** (Maynooth University) – Music at LC is not an entry requirement, but admission is based on an online music assessment/performance and interview.
- **Commercial Modern Music** (TU Dublin) - Attend an audition/interview
- **Musical Theatre** (Dundalk IT)- Audition and Interview
- **Music** (**Single Hons**) and **Music (Joint Hons)** with Maths, Modern language, Religion, Philosophy, Drama or Middle Eastern, Jewish and Islamic Civilisations (TCD) Though desirable, formal musical training is not a prerequisite for entry, but candidates should have a good ear and the ability to read and notate music to a rudimentary level.
- **Arts with Music** (University of Galway)- Leaving Cert Music is recommended, but not essential.

Music is useful for careers in:
Media work or studies; Teaching; Sound Engineering; Public Relations; Communications; Performance; Entertainment Industry; Speech Therapy; Film and Television Director; Occupational Therapist; Actor; Aerobics; Disc Jockey; Folklore; Instrument maker; and music at third level.

PHYSICAL EDUCATION (Exam) — Mr Parsons/Mr McGuinness

The LCPE course isn't just about playing sports — it's about **understanding your body, improving performance, building healthy habits, and exploring how physical activity fits into modern life**. The subject has **three main strands**.



1. Skill Learning & Being Physically Active: This part is all about helping you **get better at physical skills** and understand how to become a stronger, smarter, more confident performer in your chosen activities. You'll learn things like how to break down and improve your technique; how to practice effectively and safely; how to track your progress; and how training affects your body. Think of it as learning how to *train like an athlete*, not just taking part.

2. Physical and Psychological Demands of Performance: This strand explains **what's going on inside your body and mind** when you train, compete, or take part in physical activity. You'll explore things like how your muscles, heart and lungs work during exercise; how your brain affects your performance (motivation, focus, confidence); how fitness training works — and how to design training plans; and how to

stay healthy, avoid injury, and recover properly. It's basically the science of sport — made for real-life use.

3. Factors Influencing Participation in Physical Activity: Here you'll look at **why people do (or don't) get involved in physical activity**, and what society can do to improve participation. You'll learn about how gender, culture, and community influence activity levels; the role of sport in society; fair play, ethics, and how to make sport more inclusive; and how facilities, clubs, and government influence physical activity. It helps you see the *bigger picture* of sport and physical activity.

Real Physical Activity: You'll apply everything you learn through **three different physical activities**, such as team games, athletics, dance, outdoor adventure activities, aquatics. This means you're not just learning theory — you're using it to get better at real activities.

How You're Assessed: LCPE uses both practical and written assessment:

Assessment Component	What It Involves	%of Total Marks
Physical Education Project	A **Physical Education Project**, where you analyse your performance or create an activity plan.	50%
Written Examination	An exam to test your understanding of performance, training, psychology, and participation.	50%

Physical Education is required for the following third level courses:
It is not a requirement for any course, but can meet the Science Subject requirement for 3 courses:

- **PE with Maths (2nd Level teaching)** (DCU) – O1/H6 in Maths and O4/H6 in Physics, Chemistry, Physics/Chemistry, Physical Education, Biology, or Agricultural Science.
- **Physiotherapy** (UL)- O3/H7 in one of: Physics, Chemistry, Physics/Chemistry, Physical Education, Biology, or Agricultural Science.
- **Sport Science** (UL) - (O3/ H7 in one of: Physics, Chemistry, Physics/Chemistry, Agricultural Science, Biology, Physical Education or Applied Maths.

Physical Education is useful for careers in:
Sports Science, Physical Education teaching, Physiotherapy, Coaching, Sports management, Nutrition, Personal training, Occupational therapy, Officiating

PHYSICS Mr Scully

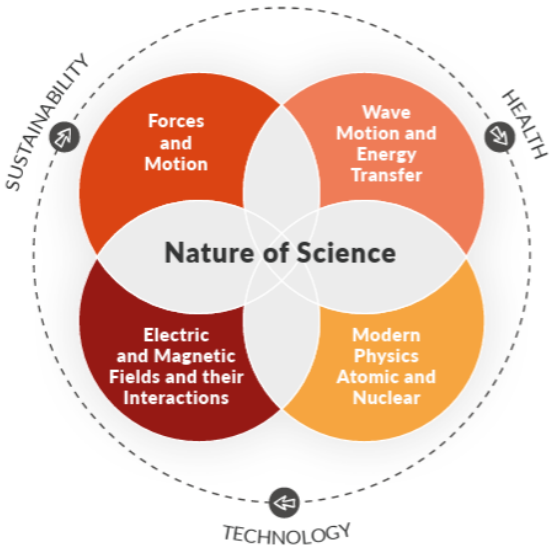
Physics describes the laws and forces governing natural phenomena, which include heat, light, electricity, and magnetism. It uses maths and equations to describe and predict events and phenomena. It is of key importance in technology and particularly relevant for those interested in specialising in most branches of engineering. It can be challenging but it can also be rewarding. Understanding a little more about the often-surprising ways of the physical world can make the world seem a more fascinating and complex place. How does the electric motor work? What evidence do we have that the Universe is expanding (the Big Bang)? Why is it that sound can go around corners but light cannot? How can we measure the power of an athlete? The answers to these questions and many more can be found in the study of Physics.

The specification is organised into five strands:

1. **Nature of Science:** Students develop an understanding that, while science is powerful and generates knowledge leading to societal advancements, it has limitations. They learn that applying scientific

knowledge to problem-solving can be influenced by economic, social, sustainability, and ethical factors.

2. **Forces and Motion:** This strand covers Newtonian mechanics, explaining the motion of objects. Students explore how objects move (kinematics) and why they move in specific ways (dynamics), using verbal, mathematical, and graphical representations to discuss motion in one dimension and circular motion.
3. **Waves and Energy Transfer:** Students are introduced to various types of waves, their distinguishing features, and the concept of energy transfer. They learn about wave anatomy, associated vocabulary, mathematical relationships, and delve into electromagnetism as one of the four fundamental forces of nature.
4. **Electricity and Magnetism:** This strand introduces electric and magnetic fields as examples of vector fields of force. Students use field lines to represent the strength and direction of these fields, explore evidence for electric charge, and establish links with atomic structure, Newton's Laws of motion, and work and energy.
5. **Modern Physics:** Students gain an appreciation for the evolving nature of physics by studying developments from the late 19th and early 20th centuries. They learn how experimental discoveries challenged accepted theories, leading to the emergence of quantum mechanics and a revised understanding of matter on an atomic scale.



Assessment:
The assessment comprises two components:

- **Written Examination (60%):** This evaluates students' understanding of the core concepts and principles outlined in the specification.
- **Physics in Practice Investigation (40%):** Students conduct an investigation based on a brief provided by the State Examinations Commission. This involves real-world applications of physics, demonstrating investigative skills, relating their work to that of scientists in society, and effectively communicating their findings.

<u>Physics is required for the following third level courses:</u>

Physics meets the science subject requirement for medical, science, engineering, electronics, and computer courses. In most engineering courses, you will find a high physics content, while some paramedical careers will involve the study of physics e.g., radiotherapy, physiotherapy etc. In addition, anyone considering a career or course in electronics would be very much encouraged to do physics. Physics is a specific requirement for **Theoretical Physics** in Trinity College Dublin (H3 In Mathematics and Physics). It meets the requirements for "a science subject" for approximately 217 further courses.

Studying leaving certificate physics would be advantageous for any student intending to do science, engineering, medicine, dentistry, or veterinary science at third level.

<u>Physics is useful for careers in:</u>
Architecture; Astronomy; Biophysicist; Computer Careers; Dentist; Doctor; Engineer, especially electrical and electronic, Geophysicist; Health Inspector; Medical Laboratory Technician; Meteorologist; Naval Service; Nurse; Optician; Pharmacist; Physicist; Physics Teacher; Photographic Technician; Pilot; Radiographer; Science Laboratory Technician; Telecommunications; various trade apprenticeships; Heating

and Ventilation Technicians; Forensics; Communications; Information Technology. Indeed, unemployed, or bored physicists are very scarce!

Note: Physics constantly uses Maths:

- Algebra for formula manipulation
- Trigonometry for vectors and angles
- Functions & graphs
- Interpreting data and rates

It is therefore recommended that students studying Physics at Leaving Certificate level are comfortable with the study of mathematics.

SPANISH — Ms Rasmussen / Mr Kinevane

In Spanish you will develop your reading, writing, oral and understanding skills. You will also learn about culture in Spain and other Spanish speaking countries. Spanish is one of the most widely spoken languages in the world; spoken in more than 20 countries, by over 200 million people. The general educational aims of foreign language teaching are:

1. to make it possible for pupils to take up job and further education opportunities, which may involve the use of Spanish (increasingly important in the context of the development of the E.U.)
2. to develop the pupils' capacity to engage in useful interactions in another language.
3. to give pupils an awareness of another culture.
4. to contribute to pupils' awareness of language as a system of communication
5. to develop an awareness of the grammatical structure of language.

Assessment

The Leaving Certificate examination at both Higher and Ordinary levels consists of the same component, with different mark allocations as follows:

Higher Level	Ordinary Level
Speaking (oral examination) 25%	Speaking (oral examination) 20%
Listening comprehension 20%	Listening comprehension 25%
Reading comprehension 30%	Reading comprehension 40%
Writing 25%	Writing 15% (tests of written production, letter writing etc.)

A Language is required for the following third level courses:

As mentioned under the French section, you do not need a foreign language for all third level studies. The National University of Ireland requires a pass in a third language for entry to almost every course in the faculties of Business, Arts, Law, Medicine, Social Science, Veterinary, Physiotherapy, Radiography, Sports Performance - University College Dublin, University of Galway, RCSI, University College Cork and Maynooth University. The exceptions are- All nursing courses (all colleges); and All Engineering and some Science programmes; Business and Law courses at Maynooth University and the NCAD no longer seek a third language. You may also need a third language to become an Army, Navy, or Air Corps cadet.

Students who have language exemptions (i.e., due to hearing problems or dyslexia) are also exempt from this requirement at third level and in the Defense Forces. Trinity College in Dublin, Mary Immaculate and the University of Limerick accept Irish as fulfilling its second-language requirement.

If you were born outside of Ireland and have an **exemption from Irish**, you will **need to study French or Spanish (or another language at Leaving Certificate level)** to meet the second language requirement for entry to **TCD, Mary Immaculate** and **UL**.

3 courses where Spanish is specifically required for entry at CAO offers stage:

- **Global Business – Spain** (DCU) H4 in Spanish
- **Business Studies and Spanish** (TCD) H3 Spanish
- **Commerce International Spanish** (University of Galway) - H4 in Spanish.

Courses where Spanish is required less specifically, three colleges as an example (See pages 11-12 for more):

University College Cork (UCC)

O6/H7	Accounting, Arts*, Music, Arts International, Anthropology, Business Information Systems, Commerce, Criminology, Dentistry, Digital Humanities & Information Technology, Early Years & Childhood Studies, Economics, Education – Gaeilge, English, Film & Screen Media, Finance, Food Marketing & Entrepreneurship, Government & Political Science, International Development, Law and Business, Law and Irish, Law Pathways, Medicine, Occupational Therapy, Pharmacy, PE Sports Studies and Arts (2nd Level Ed), Psychology & Computing, Applied Psychology, Public Health Sciences, Social Science, Theatre & Performative Practices
H4	Speech and Language Therapy (H4 in a language other than English or Irish and a H4 in a science subject)
H3	World Languages, International Business with Languages (O6/H7 in a third language for German, Italian, Chinese Studies, or Hispanic options at beginner's level; to study a language at non-beginner 's level, a minimum grade H4 in that Language is required), Law and Irish (H3 Irish and O6/H7 in a 3rd language)

Dublin City University (DCU)

H3	PP Teacher Education with French, German, or Spanish (H3 in relevant Language, French, German, or Spanish)
H4	Arts- International languages (H4 in chosen language required); Business Studies International, Global Business (Spain) (H4 in Spanish), Applied Languages and Translation Studies (H4 in relevant Language, French, German, or Spanish), Arts Law/Media/International Languages with French, German, or Spanish (H4 in relevant Language, French, German, or Spanish); International Relations (H4 if doing a language stream)

Trinity College Dublin

O2/H6	Linguistics (O2/H6 in a language other than English or Irish)
H3	Business Studies with Spanish (H3 in Spanish), European Studies (2 from H3 French, H4 German, Italian, Irish, Polish, Russian, Spanish), Computer Science Linguistics and a Language (H3 in French, Irish or Spanish)
H4	Classical Languages (H4 in any language other than English), Modern Languages (for German, Italian, Russian, Spanish a H4 in any language other than English), Classics with Ancient History and Archaeology (H4 in a language other than English), Middle Eastern and European Languages and Culture (H4 in a language other than English or Irish), Business Studies with Russian (H4 in language other than English), Business Studies with Polish (H4 in language other than English).

Spanish is useful for careers in:
Flight Attendant; Air Traffic Controller; Bilingual Secretary; Chef; Hotel Manager/receptionist; Marketing; Export Careers; Teacher; Interpreter; Translator; International Driver; Pilot; Travel Agency Clerk; Waiter; Journalist; Telemarketing; Department of Foreign Affairs; European Union, United Nations; Defense Forces; Clinical Speech.

TECHNOLOGY Mr Weldon / Mr Guinan/ Mr Molloy

Leaving Certificate Technology emphasises the use of knowledge, its practical application to real-life situations, and the interaction between thinking and doing. The course encourages practical activities and the production of artefacts and systems as solutions to identified problems or briefs. Students taking this course should develop their problem-solving skills and a sense of responsibility for their own learning, and become self-directed, creative, and autonomous learners, thus laying the foundation for lifelong learning. Technology involves a study of:

- A Process of Design
- Project & Quality Management
- Materials and Production
- Communication and Graphic Media
- Information & Communications Technology
- Structures and Mechanisms
- Energy, Electricity and Electronics

In addition, students study two optional modules from:

- Electronics and Control (Electrical Measurement, Components and Circuit Design, Power Supplies and Safety, Electric Motors, Assembly of Pre-designed Circuits, Logic Circuits, Counters and Sensors)
- Applied Control Systems (Robotics, Robotic Control, Control, Programmable Devices, Pneumatics)
- Information & Communication Technology (Computer Architecture, Data Communications, Computer Networks, Internet, Multimedia Design)
- Manufacturing Systems (Context of Manufacturing, Quality Management, Project management, Concurrent Engineering, Manufacturing Systems Design & Control)
- Materials Technology (Classification of Materials, Properties/Structure of Materials, Structure of Materials, Materials Processing, Skills Development, Quality Assurance, Production Techniques)

Assessment

There will be one examination paper at Ordinary level (2 hours) and one at Higher level (2.5 hours). In addition, 50% of the assessment requires students to undertake a project based on a specified thematic brief and within stated parameters. The project involves the design and production of an artefact and an accompanying folder.

The project, which must be completed in school and be the unaided work of the student, should integrate the various elements of the study of technology. The folder should reflect all stages of the student's work from design to realisation and should include an overall evaluation.

Technology is required for the following third level courses:

It is not a sole requirement for any course, but it can meet the entry requirements approximately 34 courses - The following is again an illustrative list. 11 of these can also accept Construction or another subject, and 23 further courses largely accept a lab science or technology for entry:

The following is an illustrative list:

11 in common with Construction Technology

- **Common Entry Engineering**; **Aeronautical Engineering**; **Electronic & Computer Engineering**; **Chemical and Biochemical Engineering**; **Electrical Engineering** (UL)- (H4 in Mathematics and O6/H7 in one of Applied Math's, Physics, Chemistry, Physics/ Chemistry, Engineering, DCG, Technology, Computer Science, Biology, Agricultural Science, Construction Technology).
- **Graphics and Construction Technology with concurrent Teacher Education**; **Graphics, Engineering and Technology with concurrent Teacher Education**; (UL)- (O3/ H7 in Mathematics

and O4/H7 grade in Applied Mathematics, Physics, Chemistry, Physics/Chemistry, Engineering, DCG, Technology, Construction Technology, Computer Science, Agricultural Science, or Biology)

- **Construction Management & Engineering**, **Technology Management, Product Design and Technology** (UL) (an O3/H7 in Math's, and O4/H7 Applied Mathematics, Physics, Chemistry, Physics/Chemistry, Engineering, DCG, Technology, Construction Technology, Computer Science, Agricultural Science, Climate Change and Sustainable Development or Biology) (and a Portfolio in the case of Product Design and technology)
- **Project and Construction Management** (University of Galway) (O6/H7 in Agricultural Science, Biology, Chemistry, Computer Science, Physics/Chemistry, Physics, Technology, Engineering, DCG or Construction Technology

Other Courses:

- **Science with Nanotechnology**; **Physics with Medical Physics & Bioengineering**; **Physics Technology**; **Physics with Data Science**; **Physics with Energy and Environment** (TU Dublin) – (Math's 03/H7 and H4 in one of: Physics, Chemistry, Physics/Chemistry, Biology, Mathematics, Applied Mathematics, Agricultural Science, Engineering, Technology or DCG).
- **Science General Entry** (TU Dublin) - Math's 03/H7 and H4 in one of Physics, Chemistry, Physics/Chemistry, Biology, Agricultural Science, Engineering, Technology or Applied Mathematics.
- **Analytical Chemistry- Environmental Forensic and Pharmaceutical**; Chemical Sciences with Medicinal Chemistry (TU Dublin) - Math's 03/H7 and H4 in one of: Physics, Chemistry, Physics/chemistry, Biology or Technology.
- **Chemical Sciences with Medicinal Chemistry** (TU Dublin - O3/H7 Maths and a H4 in one of: Physics, Chemistry, Physics & Chemistry, Biology or Technology.
- **Clinical Measurement Physiology** (TU Dublin) - 03/H7 Math's and H4 in Mathematics, Applied Mathematics, Physics, Chemistry, Physics/Chemistry, Biology, Agri. Science, Engineering or Technology.
- **Mechanical and Manufacturing Engineering** (SETU Waterford) (H5 in Physics, Chemistry, Biology, Physics/Chemistry, Agricultural Science, Engineering, Technology, or DCG compensates for not making the required grade in Mathematics (O3/H7).
- **Clinical Measurement Physiology** (ATU Sligo) (H6/O4 in Math's and H4 in one of: Applied Math's, Physics, Chemistry, Biology, Physics/ Chemistry, Agricultural Science, Engineering or Technology.
- **Engineering** (UCC) – (H4 in Mathematics or Applied Mathematics (if the H4 is in Applied Math's, a H6 in Math's is also required); O6/H7 in Biology, Chemistry, Physics, Physics/Chemistry, Agricultural Science or Technology)
- **Engineering** (Maynooth University) – O6/H7 in Agricultural Science, Applied Mathematics, Biology, Chemistry, Computer Science, Physics, Physics/Chemistry or Technology & H4 Mathematics.
- **Biomedical Engineering**; **Civil Engineering**; **Electronic and Electrical Engineering**; **Electronic and Computer Engineering**; **Energy Systems Engineering**; **Mechanical Engineering**; **Undenominated Engineering** (University of Galway) - O6/H7 in Chemistry, Physics, Biology, Physics/Chemistry, Computer Science, Agricultural Science, or Technology, and H4 Mathematics)

Technology is useful for careers in:

Civil and Structural Engineering; Architecture; Building Services; Teaching; Aircraft Technician; Industrial Design; Motor Mechanic; Town Planner; Industrial Engineer; Apprenticeships; Structural Design; Mechanical Engineer; Carpenter; Bricklayer; Computer Careers; Engineer, especially Electrical and Electronic, Medical Laboratory Technician; Naval Service; Pilot; Radiographer; Science Laboratory Technician; Telecommunications; Heating and Ventilation Technicians; Forensics; Communications; Information Technology.

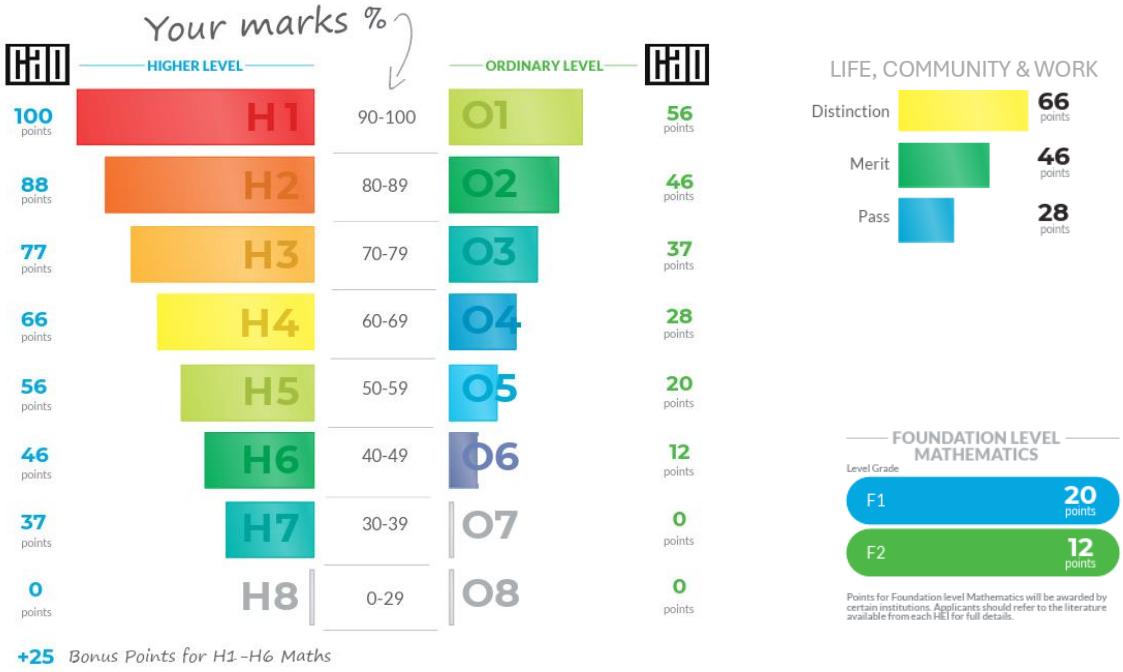
RESEARCHING ON QUALIFAX www.qualifax.ie

Scroll down to "Subject Requirements Tool"

Select the subject you wish to research using the drop-down menu.

To view courses that require the subject click on the circle labelled "**Definitely requires: xxx subject**". If you wish to study any of the courses generated in the list that require that particular subject, then you may have to consider keeping that subject. Also search for courses that require a science subject or a third language, as these can be searched for separately to the specific subjects themselves.

POINTS SYSTEM



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All points only apply where **Minimum Entry Requirements** have been met. Points are calculated on your **best 6 subjects**

Bonus points for **Higher Level Math's** Universities and Institutes of Technology will award 25 bonus points for Leaving Certificate Higher Level Mathematics to students who achieve a grade H6 or above. This means that the maximum cumulative LC points total is 625. There are generally **no points** awarded for **Foundation Level subjects**, however, a few courses in Technological Universities may award points in Foundation Level Math's papers. Check the college prospectus.

The maximum possible adjusted points score for applicants to **Veterinary Medicine in ATU Letterkenny** only is 565. (For all scores over 550, each 5-point band equals one extra point.) These points are added to the score of an applicant on the Casper Situational Judgement Test, where a max of 300 points can be awarded

Moderated Leaving Certificate Points from 550 Points (table applies to UK/EU/EEA equivalent exams also)

Normal LCE points	Moderated LCE points	Normal LCE points	Moderated LCE points	Normal LCE points	Moderated LCE points
551-555	551	576-580	556	601-605	561
556-560	552	581-585	557	606-610	562
561-565	553	586-590	558	611-615	563
566-570	554	591-595	559	616-620	564
571-575	555	596-600	560	621-625	565

CAT4 RESULTS

An aptitude test is an instrument used to determine and measure an individual's ability to acquire, through future training, some specific set of skills. The CAT4 covers four areas including, Verbal Reasoning, Quantitative Reasoning, Non-Verbal reasoning and Spatial Awareness. The tests are performed under exam conditions and are strictly timed. All questions have a definite right or wrong answer. The test is also age related.

These tests can be used to help an individual

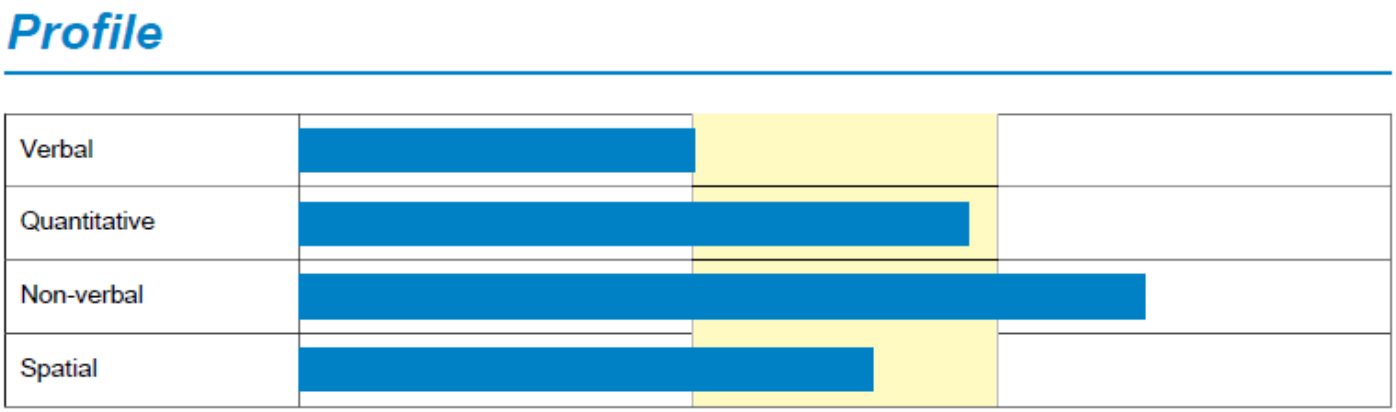
1. Choose among educational and career options based on strengths and weakness
2. Help an individual understand why they do well or poorly in certain subjects.
3. Can suggest new career options not previously considered.
4. Change or raise educational and career aspirations.

They cannot however, pinpoint one *specific* career or one *specific* subject that an individual should pursue.

All test of this nature should be viewed with extreme caution. Under no circumstance should the score be interpreted as final indisputable evidence of an individual's characteristics. The results provide only one small part of the information needed to help an individual make informed and realistic decisions and cannot be judged in isolation from other aspects of a person's character including, job and other experiences, interests, goals, personality, values, family, and environmental influences.

Other factors that can also influence an individual's scores are: a hearing, visual, or physical disability or a poor command of English, as well as poor health or fatigue or an emotional disturbance on the day. Finally, it needs to be remembered that an individual can have an aptitude for a particular area but have no interest in it, and conversely, may have a low aptitude in area a have an extreme interest or liking for it.

Results are presented in a graphed profile (See example below). Scores in the yellow area are within the average range. This is a perfect place to be and infers the students will manage anything they put effort into. Some students may have scores to the right of the yellow area. These students may have quite strong abilities in the area being assessed. This could be developed through experience using this ability and sometimes indicates a natural strength. Conversely, some students may have scores to the left of the yellow area. These scores indicate the student performed below the average range in the assessment. This could be underdeveloped through a lack of experience using this ability, a bad test (feeling tired/distracted), or a natural inclination away from using this ability.



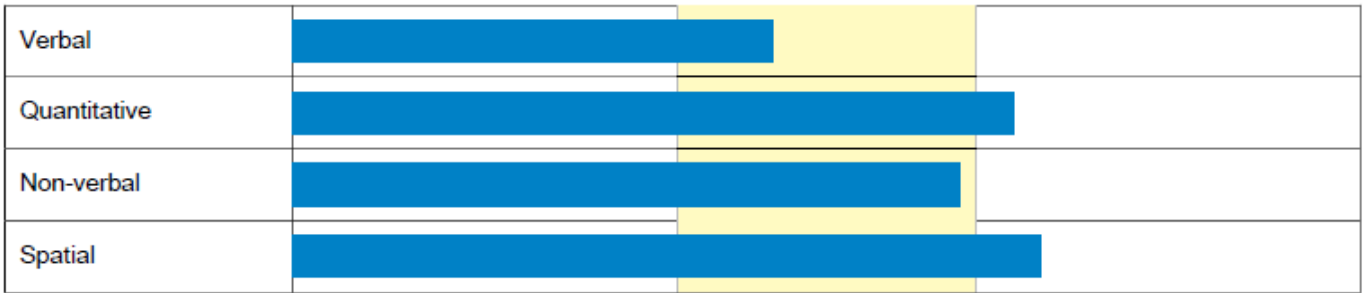
Summary

Your profile of scores from *CAT4* is evenly balanced. This means that you can learn in a number of different ways.

- You are likely to learn by reading, writing notes and essays and discussing topics as well as using a more hands-on approach across all subjects.
- This means you should be capable of doing well in a range of subjects.
- You may well enjoy working in a team or as one of a pair where you can try out and discuss ideas.
- Make sure you use a range of methods when learning and revising: reading, writing notes and using pictures, charts and diagrams (mind maps) to provide visual clues to help you remember key facts and information.
- Your verbal skills can be developed further by reading widely and making sure that you understand words used in different school subjects.

Another Example- with a higher Verbal score, but strangely, more concerning feedback. So, if you disagree with the summary it is probably wrong. Focus instead on the scores and your areas of strength.

Profile



Summary

Your profile of scores from *CAT4* shows you have a clear preference for learning by using pictures, diagrams and other visual ways of learning rather than by reading, writing and discussion.

- You may prefer learning that uses visual clues. If so, make sure you use online resources, videos and books with plenty of pictures that will help you remember key facts and information.
- Use your good spatial skills to help across the range of subjects. For example, use mind maps as an aid to remembering key events and characters in a text in English and annotate text to reinforce key facts and information in science.
- You may find some of your schoolwork difficult, particularly if it involves lots of reading and writing.
- Do you find reading difficult? If so, you may need some extra help working on-to-one with a teacher.
- Make sure you understand what you are learning, step-by-step, as it is important for you to learn at a pace that is right for you.
- Always ask your teacher to explain anything that is not clear. If you don't understand the meaning of a key word in a lesson, do ask.

What Each Test Measures

Verbal
This test measures the **ability to reason with words**, to understand and use concepts expressed in words. This skill is important in academic courses, in jobs requiring written or oral communication and in jobs involving high levels of authority and responsibility. Leaving Cert Subjects that compliment this area: English, Languages, History, Geography, Business, Biology, Agri Science

Quantitative
This test measures the **ability to perform mathematical reasoning tasks**. This strength is generally important in schoolwork, especially in fields such as maths, science and engineering. Leaving Cert Subjects that compliment this area: Maths, Physics, Accountancy, Business, Technology, DCG, Construction

Non-Verbal
This test is a non-verbal, non-numerical measure of reasoning power. It tests the **ability to see relationships among objects, patterns, diagrams or designs**. This skill is useful in careers requiring the person to see relationships between objects in terms of their size, shape, position and quantity. Leaving Cert Subjects that compliment this area: Maths, Art, Music, Agri. Science, Construction Technology, Physics, Biology, Chemistry, DCG, Technology, PE

Spatial
This test measures **the ability to visualise**, to think in three dimensions or to picture mentally the size, shape and position of objects when shown only a two-dimensional picture or pattern. This skill is vital in order to understand technical drawings. Leaving Cert Subjects that compliment this area: Construction, Art, DCG, Technology, PE, Chemistry, Geography.

Remember aptitude tests do not measure many other qualities that are vital in successful careers such as, Determination to succeed; Enthusiasm and confidence; Energy to work long hours to achieve objectives; Determination to identify and find solutions to problems; Integrity, loyalty, and honesty; Commercial and entrepreneurial instinct; Initiative, creativity, and inventiveness; Ability to persuade and motivate others; Team spirit; Leadership; Ability to help others succeed; Empathy; Forward planning; Refusal to accept defeat; Sense of humour; Int*ra*personal skills; Int*er*personal skill; Having fun; Being socially responsibility; Having the skill to make friends; Independence; Impulse control; Stress tolerance; Being realistic; Optimism; Self-regard; Flexibility and adaptability; Being grateful; Self-actualisation

Success is not about how smart you are, but how you are smart!

FINAL REMARKS

Career Focus

Remember that all third-level colleges and courses have minimum subject-entry requirements. If you do not meet them, it does not matter how many points you receive in the Leaving Certificate you will not get a place on the course. It may seem early to be raising the question of a career, but some are accessible only through particular courses, which are open only to students who have successfully taken particular subjects in their Leaving Certificate. Unless you are certain that you want to pursue a career in a particular field and wish to concentrate on associated subjects, I would strongly advise taking a range of subjects from different areas of study. The most crucial factor is whether you enjoy the subjects you have chosen. You are always going to work harder on the subjects that you enjoy most.

Subject Option

The options form is administered to all TY and 3rd year parents on VSWare. It is designed to help to identify the level of demand for different subjects and actual subject blocks that we can offer in LC1 next year. This form will be used to allocate subjects into blocks, and students into these blocks. It is especially important that you number your preferences correctly. If your first and third preferences clash, you will be placed in your first selection.

Bear in mind that not all subject combinations may be available due to timetable clashes. In Colaiste Choilm the subject option bands are driven by students' subject choices in a given year group, i.e., the bands are decided on a 'best fit' analysis of the returned subject choice forms. If you do not return your subject choice form, or have not listed your subjects in preference, then you may be disappointed with the combinations or your assigned subjects. So, select at least five subjects, listing them in **order of priority**, to get places in your top preferences, and complete the subject choice form **on time**.

What are the hardest and easiest subjects in the Leaving Certificate?

There is no such thing as an "easy honours" subject in the Leaving Certificate. While some subjects may appear to have high top-grade rates in 2025, this often reflects **who** takes the subject rather than how easy it is. For example, subjects like **Applied Mathematics** continue to show exceptionally strong high-end results, with **25.4% of candidates achieving a H1 in 2025**. However, this does *not* mean the subject is easy; instead, it reflects that Applied Maths is generally taken by students who already excel in areas like Higher Level Maths and Physics and have a strong aptitude for problem-solving.

Similarly, languages can also show strong performance. In 2025, subjects such as **German (13.7% H1)** and **Spanish (13.3% H1)** had high H1 rates, but these subjects tend to attract motivated and highly engaged learners. Other languages show high H1 rates (Russian, Lithuanian etc.) but only a relatively small group of students take these subjects, and those who do usually have strong interest, aptitude, or immersion from an early age.

By contrast, subjects with large numbers of candidates — such as **English, History, Geography, Biology and Business** — show more moderate top-grade rates. For example, in 2025: **English:** 5% received a H1; **History:** 12.9% received a H1; **Geography:** 8.3% received a H1; **Biology:** 15.7% received a H1; **Business:** 9.7% received a H1. These subjects tend to stabilise in the middle range because they are taken by very large and diverse groups of students with a wide range of abilities, interests and motivations.

In short: **high success rates in certain subjects don't prove they are easier — they show the strengths and backgrounds of the students who choose them.** The scale of participation, the type of learner attracted to each subject, and the level of preparation all influence the statistics far more than the perceived difficulty of the subject.

In addition, be cautious when others tell you a subject is easy, the person is speaking from the perspective of their own interests, ability and aptitude, not yours. You may not find the same level of ease. So, make decisions with your own interests, aptitudes and ability in mind.

Caution re Checking Previous Exam Papers

Care needs to be taken when checking the content of previous exam papers. Below are examples from the Business exam paper and the Physics exam paper. The immediate respond to the Business question might be "that's easy – I can do that," and the response to the Physics question might be "I don't know how to do that – that's hard." This is not an appropriate response. The previous exam papers should be viewed with the following in mind, "I would be interested in finding out how to answer/solve that problem/question."

Business Questions:

Question 1

(A) Outline the procedures an employer should follow under the Unfair Dismissals Acts of 1977-2007, before dismissing an employee. (20 marks)

(B) A legal contract can be terminated by breach, frustration or agreement. Illustrate your understanding of the underlined terms. (20 marks)

The Consumer Protection Act 2007 came into effect in Ireland on 1st May, 2007. The Act provided for the establishment of the National Consumer Agency, which replaced the Office of the Director of Consumer Affairs.

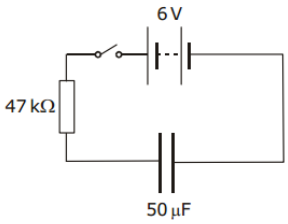
(C) Evaluate the role and functions of the National Consumer Agency (NCA) in protecting consumers. (20 marks)

Physics Question:

Define (i) potential difference, (ii) capacitance. (12)

Describe an experiment to demonstrate that a capacitor can store energy. (12)

The circuit diagram shows a 50 μF capacitor connected in series with a 47 kΩ resistor, a 6 V battery and a switch. When the switch is closed the capacitor starts to charge and the current flowing at a particular instant in the circuit is 80 μA.



Calculate

(i) the potential difference across the resistor and hence the potential difference across the capacitor when the current is 80 μA;

(ii) the charge on the capacitor at this instant;

(iii) the energy stored in the capacitor when it is fully charged. (27)

Describe what happens in the circuit when the 6 V d.c. supply is replaced with a 6 V a.c. supply. (5)

Overlap of Subject Content?

State Exams Commission regulations state that when there is a certain degree of content overlap between two subjects' students are prohibited from sitting both of these subjects. For example, students are not allowed to sit both Latin and Classics. There is a common perception that there is content overlap between Higher Level Math's and Physics or Physics and Applied Math's or overlap between all three. This is not the case. If it were, students would be prohibited from sitting exams in more than one of these subjects. Similarly, there is a perception that there is content overlap between Biology and Agricultural Science. Again, if there was, students would not be able to sit both exams. Although a small degree of shared content may occur across some subjects, it is not enough to confer any real advantage.

This raises the question of why people perceive considerable overlap where it does not formally exist. We do not generally claim there is overlap between English and History, yet students who achieve a H1 in English often perform well in History. This may be because the skills and aptitudes required—such as critical thinking, analysis, and written expression—are complementary. In the same way, the perceived overlap among Higher Level Mathematics, Physics, and Applied Mathematics may stem from shared underlying skills rather than shared curriculum content.

Concluding Remarks

Do not make rash decisions- subject choice should not depend on what teacher will be teaching a certain subject at Leaving Certificate. Neither should you copy your friend's decisions or opt to do subjects because a friend says it is easy- everything is easier when you are interested and have the aptitude, so discover your own and use that knowledge to make your decision.

Useful Websites

www.qualifax.ie www.studyclix.ie www.ncca.ie www.careersportal.ie

INFORMATION FOR PARENTS ON THE SUBJECT CHOICE PROCESS

1. Students receive guidance from subject teachers regarding the content and assessment of each subject in senior cycle.

2. Students and Parents receive guidance on things to consider regarding subject choice from a career's perspective.

3. Each student should refer to this subject choice booklet.

4. Each student is called for a meeting with a Guidance Counsellor. This meeting allows students to discuss their questions and needs. It also gives students an opportunity to make an informed decision based on their aptitudes (CAT4), interests, and career plans.

5. Students, with the help of their parents/guardians, use VSware (parental login) to indicate their preferred subjects to the school. Instructions on how to do this are outlined below.

   Students must make their subject selection in order of preference. So,
   - What you place number 1 should be the subject you most want or need to do.
   - Number 2 should be the next most important subject for you to have.
   - and so on until your 6th selection.

   You will only study 4 of the 6 subjects selected; numbers 5 and 6 are back-up choices. These back-up choices may be used if your first four subjects cannot be accommodated on the timetable. This happens when two chosen subjects clash on the timetable, or if a class has filled with higher preference students (A higher preference student is someone who placed the subject as their 1st/2nd preference while you selected it as your 3rd/4th preference). So, you can see why the order of preference is important.

6. Once the deadline for making your son's selection has passed, we work to get the best fit timetable for the largest number of students. Securing the preferences of the greatest number of students is what determines the timetable (what subjects are on at the same time).

7. Once the subject lines have been established, feedback is provided to every student. Feedback will consist of a document stating the subjects your son has been assigned to based on his selection.

An example of feedback from a previous year:

This is an Example- Subjects lines may be different this year, as we try to accommodate the greatest number of student preferences for those entering LC1 in a given year.

Dear _____,
You are receiving this feedback as your subject choice preferences could not be accommodated on this year's timetable.

You have been assigned to 4 of your top 6 preferences- History (1), Physics (2), Music (3) and Geography (5).

Business (4) clashed with your higher preference subjects Music and Physics.

Each of the Lines below represents a time on the timetable. Each subject on line 1 takes place at the same time (e.g. 1st class on Monday), each subject on line 2 takes place at the same time (e.g. 2nd class on Monday) and so forth.

You have been assigned to the following subjects (in bold):

Line 1 Subjects:	**Geography (5)**	French	Technology	Spanish

Line 2 Subjects:	Con Technology	Accounting	**History (1)**	DCG

Line 3 Subjects:	Agri Sci.	Biology	Art	**Physics (2)**	Business

Line 4 Subjects:	Con Technology	Chemistry	PE	**Music (3)**	Business	Technology

If you are satisfied to stay in Geography, you do not need to take any action.

However, if you wish to change from any of these assigned subjects you must speak to Ms Burke to see if a move to another subject is possible or to assess your subjects in light of your career plans.

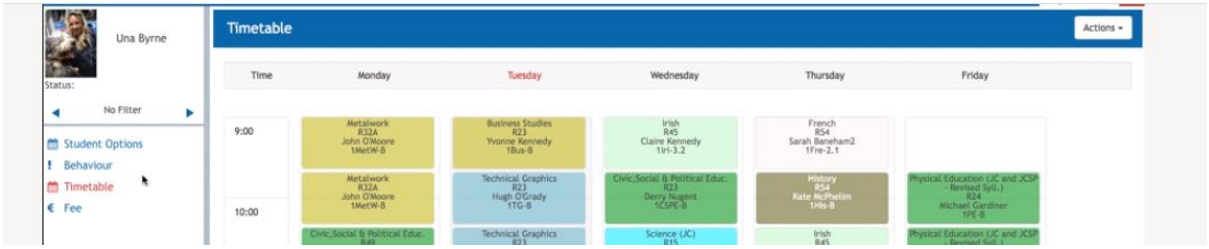
Yours sincerely
Ms Burke

PARENTAL INSTRUCTIONS FOR USING VSWARE

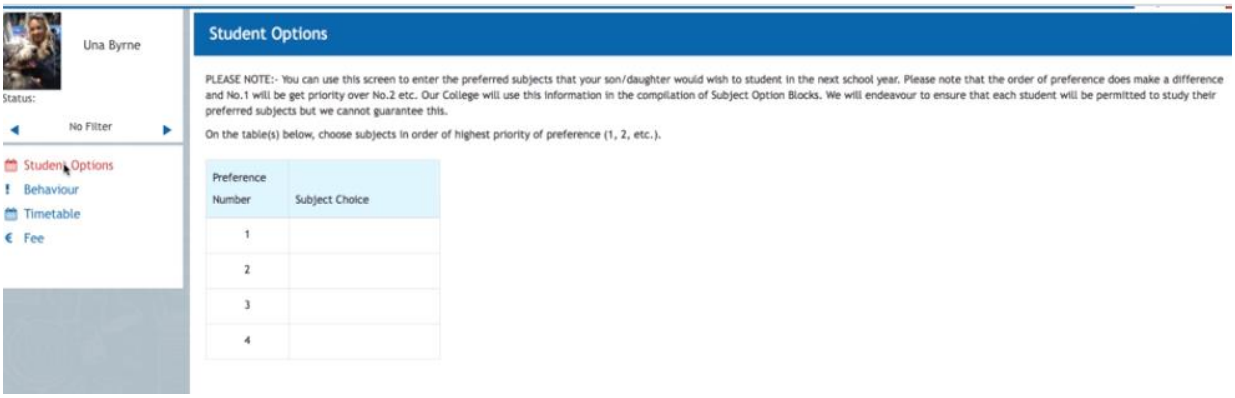
When advised to complete your son's subject choice selection, please follow the instructions below:

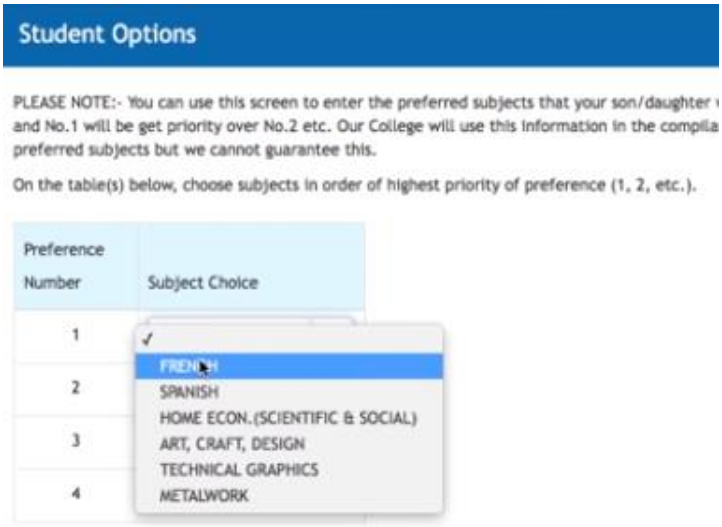
Step 1: Login as usual at www.colaistechoilmtullamore.vsware.ie

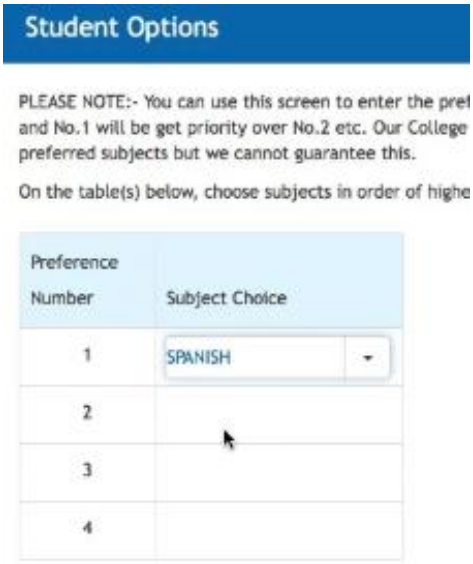
Step 2: Using the Left-hand side menu, choose **Subject Options**

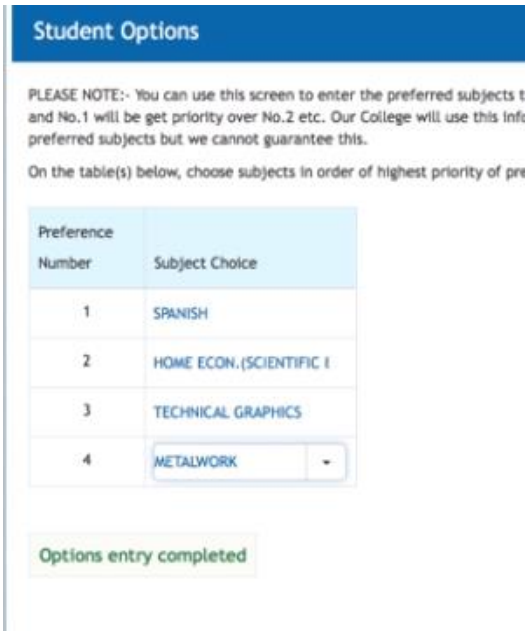


Step 3: Use the drop-down menu of subjects to choose your son's subjects **in Order of Preference**.









Once these have been completed, you have made your son's subject choice selection.

It is a good idea to complete this form together with your son, even if you have already discussed the options.

My Notes:

Subjects I am considering and why:

Careers I am considering:

Questions I have: