



# **OUR LADY'S SCHOOL SUBJECT CHOICE INFORMATION BOOKLET LEAVING CERTIFICATE 2022**

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Student signature

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Parent (Guardian) signature



**SUBJECT CHOICE- INFORMATION BOOKLET**  
**(Leaving Certificate 2022)**

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Dear Student,

You are about to make a very important decision, namely, Subject Choice. You will be asked to select a number of subjects, usually 7, for your Leaving Certificate.

To make a good decision it is essential to have good information. At Our Lady's School, we arrange the following to help you make an informed subject choice:

- Careers classes on Subject Choice
- Individual appointments with Guidance Counsellor
- Eirquest and Cambridge Profiles
- Individual subject departments will give a presentation on their subject

We would also recommend that you:

- study this booklet
- do research ( [www.careersportal.ie](http://www.careersportal.ie) and [www.qualifax.ie](http://www.qualifax.ie))
- consult textbooks and past papers of subjects you are interested in
- talk to students who have been, or are presently, studying the subjects which interest you
- discuss Subject Choice with your teachers, parents/guardians
- Eliminate the subjects you know you do not want to do and then research and evaluate the others to make informed decisions.

Choose your 'package' of subjects to satisfy your interests and to keep as many careers options open as possible. Keep the following guidelines in mind:

- Ensure that you have the ***essential subjects for your job/course/training*** (check Qualifax and college/training/job websites for minimum entry requirements and specific course requirements)
- Select your remaining subjects to maximise your results. Look back over previous school reports to see what subjects you did well in. (If you like a subject, you are more likely to do well in it).
- Check college prospectuses and career websites
- Choose subjects you have a genuine interest in.

By getting as much accurate and up to date information as possible you will make a good Subject Choice decision.

The deadline for subject choice is **Friday 6<sup>th</sup> March 2020**.

Best of luck

L. Porter  
Guidance Counsellor

## ***Senior Cycle Subjects at Our Lady's School***

The following subjects are compulsory:  
Irish, English, Maths

Students may choose four subjects from the following list:

1. Accounting
2. Art
3. Agricultural Science
4. Biology
5. Business
6. Chemistry
7. Economics
8. French
9. Geography
10. German
11. History
12. Home Economics- Social & Scientific syllabus
13. Music
14. Physics
15. Spanish

### ***Subject Choice***

Students are invited to choose four subjects from the list above. They do this by listing their choice of subjects in order of preference. Subjects will be offered for this cycle (Leaving Certificate 2022) depending on students' interest.

In the event of a subject being under-subscribed the school authorities may, of necessity, withdraw it from the available options. With regard to subject availability, every effort is made to offer each student her preferences. However, due to timetabling restrictions, it may not be possible to offer all students their top preferences.

It is advised that students select subjects that they like and those that they are good at. Having a genuine interest in the subjects you are going to take for the Leaving Certificate is very important. It can be difficult enough at the best of times to motivate yourself to study, but it can be twice as difficult if you are studying subjects which you don't particularly like.

Students are normally expected to sit seven subjects in the Leaving Certificate.

When you have made your final selection you should examine them very carefully to see that you have kept your career options open. You should check to see if you have the essential requirements for third-level courses in which you have an interest. It is too late to find out in your Leaving Certificate year that you do not have an essential subject when you come to fill out your application forms.

## Leaving Certificate Applied

### What is Leaving Certificate Applied (LCA)?

It is a **two year course** available to students who wish to follow a practical Leaving Certificate programme with a **vocational focus**. It is an **alternative** programme to the traditional Leaving Certificate, which places particular emphasis on **preparation for the world of work and life**.

### How is it different?

A **key difference between Leaving Certificate Applied and the traditional Leaving Certificate lies in assessment**. Two-thirds of the final grade in LCA is earned through course work completed over two years with **only one third dependent on final written exam papers**. This places far less emphasis on final exams as students build up ‘credits’ as they go. Throughout the two years, students’ work and skill development is **assessed in different ways** including interviews, written, oral and practical components.

As well as changes in assessment, in Leaving Certificate Applied, learning experiences are more **active and practical** than the established Leaving Certificate programme. Students apply their knowledge, skills and experience from real life situations in the school, the workplace and the wider community. **Work Experience** plays a significant role in the programme as students gain first-hand experience of the world of work.

### What subjects will I study?

Leaving Certificate Applied students study a **broad range of subjects**: Vocational Preparation & Guidance (includes Work Experience), English & Communications, Mathematical Applications, Information and Communication Technology, Arts Education, Social Education, Languages, Leisure & Recreation, Religion, Hotel, Catering & Tourism, Agriculture/Horticulture.

### What are my options after Leaving Certificate Applied?

LCA is accepted for a wide range of Post-Leaving Certificate (PLC) courses at FETAC Level 5. It also provides access to most apprenticeships and other vocational training awards. While students who complete LCA do not have direct access to Higher Education through the Central Statistics Office (CAO), achieving an appropriate further education award (e.g. FETAC Level 5) may provide access for those who wish to apply to courses in Third Level colleges.

### For further information, click on these links:

<http://cmsnew.pdst.ie/sites/default/files/6.%20a.%20LCA%20Overview%20leaflet.pdf>  
<http://www.schooldays.ie/articles/the-leaving-certificate-applied>  
[http://www.citizensinformation.ie/en/education/state\\_examinations/leaving\\_certificate\\_applied.html](http://www.citizensinformation.ie/en/education/state_examinations/leaving_certificate_applied.html)

**Please note that the LCA programme will only run if we have a sufficient number of students selecting it.**

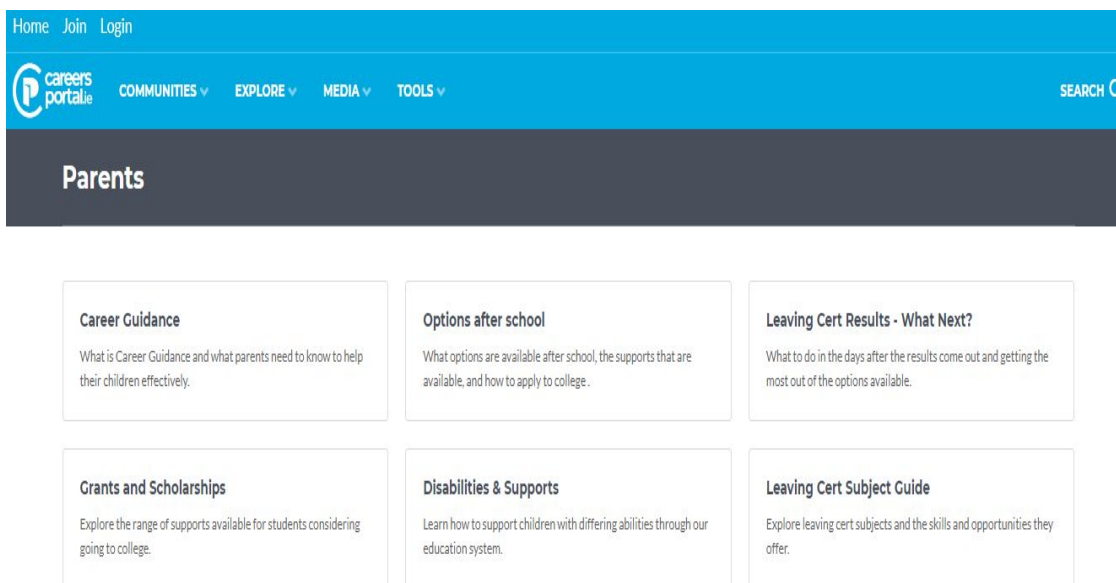
The Leaving Certificate Applied Programme will be included in the Subject Choice information sessions for parents and students on **Tuesday 25th February**. Expressions of interest for students who may wish to partake in the LCA programme must be emailed to [principal@olschool.ie](mailto:principal@olschool.ie) by **Friday 6th March 2020**. Following this deadline, a further, more detailed information session specifically on the LCA programme will be organised for interested parents/guardians on **Monday 9th March**. A formal request must then be emailed to [principal@olschool.ie](mailto:principal@olschool.ie) by **Thursday 19th March 2020** for a place in the LCA programme, if desired. The school will then be in a position to determine whether the programme has sufficient numbers to run for the 2020-2022 cohort.

## **An online guide to Leaving Certificate Subjects**

Please see the following two websites:

[https://www.careersportal.ie/school/subject\\_explorer.php](https://www.careersportal.ie/school/subject_explorer.php)

This site gives a comprehensive guide to all Leaving Certificate subjects including information on what the subject involves, why study it, career possibilities, subject content, exam structure and marks distribution.



Chemistry - CareersPortal.ie - Google Chrome

www.careersportal.ie/school/lc\_subject\_detail.php?course\_name=Chemistry&search1=chemistry&search2=&course\_id=8#VrCfn7KLTU

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ED ZONE 2 3 4 5

Leaving & Post Leaving Certificates

Level 4 NFQ

2 Years Course Duration

Grades Awarded 2015

Leaving Cert SUBJECT GRADES EXPLORER

Marks Distribution 2015: Listed below are the percentage distributions of marks from the 7533 students who sat the Higher Level Chemistry exam in 2015.

| Grade | Percentage |
|-------|------------|
| A1    | 12.8%      |
| A2    | 9.3%       |
| B1    | 10.2%      |
| B2    | 9.1%       |
| B3    | 9.1%       |
| C1    | 7.0%       |
| C2    | 8%         |
| C3    | 7.2%       |
| D1    | 5.8%       |
| D2    | 5.4%       |

Why Study Chemistry

The subject aims to provide a relevant course for students who will complete their study of chemistry at this level while, at the same time, providing a foundation course for those who will continue to study chemistry or related subjects following completion of their Leaving Certificate. Chemistry is considered most useful for careers in Pharmacy, Ag Science, Medicine, Engineering, General Sciences and Biotechnology.

What kind of Student would Chemistry suit

- If you enjoyed Junior Cert Science and you have done well in this and Maths you should be a good candidate for Leaving Cert Chemistry.
- If you apply attention to detail and are able to describe the procedures of experiments and understand vocabulary.
- Students considering a career in any scientific discipline, such as chemistry, biology, environmental science, medicine, pharmacology, or material science.

Recommendations/Tips

- It is recommended that a student undertaking the course has a good understanding of Junior Cert Science at the higher level.
- Each student should have an aptitude and interest for laboratory work.

Exam Papers

Marking Schemes

Full Curriculum

Career Guidance

Subject Group: Science

These subjects demonstrate how to explore nature using carefully planned methods, and teach the basic methods and findings of scientific investigation.

Required for 3rd Level?

This subject may be essential for entry into some Third Level courses. Click on the link below to view courses that may require this subject for entry:

Chemistry

- [www.qualifax.ie](http://www.qualifax.ie)

**Click on Students → Useful Tools → Minimum Subject Requirements → Leaving Certificate Subjects** and research any third level course requirements

Qualifax National Learners database - Google Chrome

www.qualifax.ie

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Qualifax Website...

Search this site

Home Students Adult learners Guidance professionals Parents / Family News NFQ My Account

Students Information

Are you looking for the widest range of education and training programmes? Are you considering further

Adult Learners

Thinking of returning to education / training? Qualifax has all the information you need about a wide

Guidance Professionals

There is specific information and materials available to support your work with others.

Parents & Family

Is your son or daughter considering continuing their studies? Is an adult in your house thinking of returning to

Welcome to Qualifax

Qualifax is Ireland's National Learners' Database. It is the "one stop shop" for learners. We provide the most comprehensive information on further and higher education and training courses. Qualifax has developed services to ensure that you have all the information you need to make informed choices about your

Search all

Take an Interest

Check a

Minimum Subject Requirements - Google Chrome

www.qualifax.ie/index.php?option=com\_wrapper&view=wrapper&Itemid=77

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*In this section ....*

- ▶ For Guidance Professionals
- ▶ Career Events
- ▶ Course Finder
- ▶ DARE and HEAR
- ▶ Frequently Asked Questions
- ▶ HE's Contact Details
- ▶ How to use Qualifax
- ▶ Resources for Guidance
- ▶ Support and Advice
- ▶ **Useful Tools**
  - Interest Assessment
  - Interest Assessment follow up
  - [Minimum Subject Requirements](#)
  - Points Calculator

## Search Courses Results

[New Search](#)

All courses referred to in this section are Third Level CAO entry. The Course Data in this section is for the CAO entry in 2012.  
Click on the Course to get details about that course. Click on the Course Provider to get details about that course provider.

**Search Criteria: Subject Chemistry. (Definitely need subject).**

Showing 1 to 7 of 7 results

| Code  | Course  | Course Provider                                |
|-------|---|--|
| CK702 | <a href="#">Dentistry</a>                                 | <a href="#">University College Cork</a>        |
| DT223 | <a href="#">Human Nutrition &amp; Dietetics</a>           | <a href="#">Dublin Institute of Technology</a> |
| CK701 | <a href="#">Medicine - Undergraduate Entry</a>            | <a href="#">University College Cork</a>        |
| TR072 | <a href="#">Pharmacy</a>                                  | <a href="#">Trinity College Dublin</a>         |
| CK703 | <a href="#">Pharmacy</a>                                  | <a href="#">University College Cork</a>        |
| DT225 | <a href="#">Public Health Nutrition</a>                   | <a href="#">Dublin Institute of Technology</a> |
| DN300 | <a href="#">Veterinary Medicine - Undergraduate Entry</a> | <a href="#">University College Dublin</a>      |

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## Choosing a Career

Some people know at an early stage what they would like to be, but many have no definite ideas about the kind of work they would like to do. In order to choose a career a young person needs information on: ***entrance requirements, opportunities available*** and awareness of their own ***qualities, skills and potential***.

Good decisions are based on good information. During Transition Year students face an important decision, the choice of school subjects for the Leaving Certificate. The choice is important because, once made, it **may** affect the course of their college and working lives.

It is essential to know the following **Entrance Requirements**:

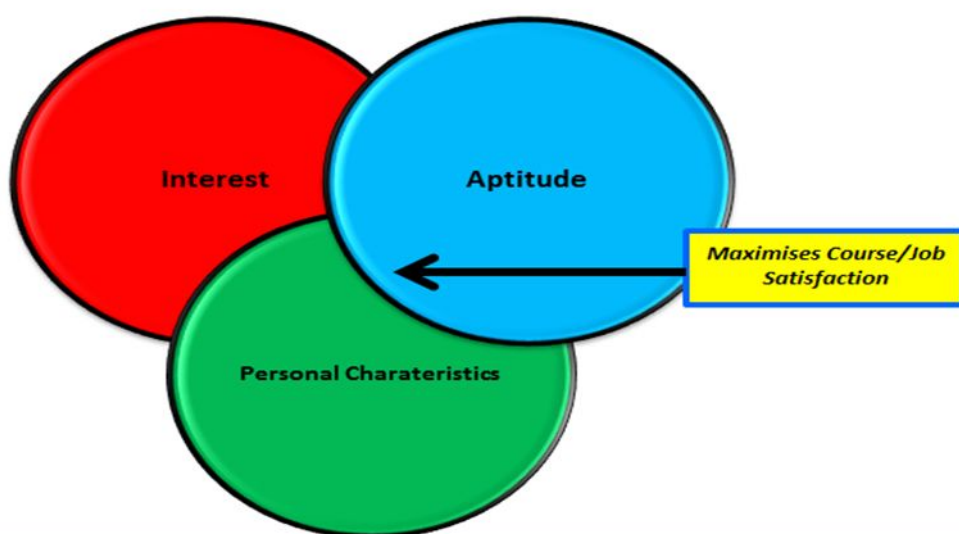
- Minimum entry requirements for colleges (matriculation requirements)
- Specific subject requirement for your chosen course/career
- Academic entrance requirements e.g. Points in CAO system (although these may change each year)

### **Points about Choosing a Career**

In choosing a Career you need to:

- Ask yourself what **you** would like to do? Then take some time to think about this, do the research and plan.

The greater the overlap between our interests, aptitudes, *and* personal characteristics and those required by the job or area of study, the greater the degree of satisfaction when we get. The overlap may be represented as follows.



- **Assess your:**
  - **Skills and Aptitudes** – what are you good at?
  - **Interests** – what you enjoy doing?
  - **Values** - what motivates you and would give meaning to your work?
  - **Personality type** – what are your characteristics?
  - **Educational qualifications** – what qualifications have you got and what further qualifications do you want to achieve?
  
- **Explore the Options** – access job descriptions, research job sectors, labour market information, and apprenticeships plus further and higher education course details.

### **How to set about Choosing a Career**

A good way to approach career choice is to list on one side your **interests and skills**: Which school subjects are you best at? Do you write well? Are you creative? Do you get on well with other people? Do you work best with a group or do you like to work alone on an exercise or a problem? Are you a leader? Would you like to work in a caring profession? Would you like outdoor or indoor, manual or deskwork? etc

Against this, list the **careers** that, at first glance, interest you and the **educational qualifications** and any particular **personal qualities** required for each of them. By comparing your two lists, you should be able to narrow down the choice of occupations that you consider would suit you.

**A Careers Investigation should be completed before final choice of subjects is made.**

### **Application procedures and entry requirements for 3<sup>rd</sup> Level Colleges**

#### **Information**

Application for most full-time undergraduate courses (Honours Degree - Level 8, Ordinary Degree - Level 7 and Higher Certificate - Level 6) in the Universities and Institutes of Technology is made through the Central Applications Office (CAO) [www.cao.ie](http://www.cao.ie). The CAO provides an applications pack with a handbook that lists all the courses on offer and gives information on how to apply. The closing date for applications from Irish and other European Union nationals is normally 1<sup>st</sup> February each year. A student must have the particular academic entry requirements needed for the course she wants to take.

In addition, there is a wide and varied choice of other courses for which you apply directly to the college. These are known as PLC (Post Leaving Certificate) or FE (Further Education) courses and usually take one or two years to complete. In general, the entrance requirement for these courses is 5 passes in Leaving Cert or the Leaving Certificate Applied and a suitability interview. The qualification awarded can lead onto higher education or into direct employment.

There is also an increase in opportunities to complete an apprenticeship and work and earn while also completing training. New apprenticeships include ones in auctioneering & Property Services, laboratory Technician/Analyst, international Financial Services, Insurance and Accounting. For further details of these and many other apprenticeships please see [www.apprenticeship.ie](http://www.apprenticeship.ie)

When choosing your Leaving Cert subjects it is vitally important that you are aware of the fact that you do need certain subjects in order to apply for particular 3rd level college courses. Below is a brief description of these Subject Entry Requirements and a brief guide to the Leaving Cert. Points System.

### **Entry Requirements for 3rd Level Colleges - Very Important**

There are two sets of Entry Requirements which must be met before a student can apply for places in 3rd level colleges (i.e. before points can be considered). These are:

1. *Minimum Entry* Requirements
2. *Specific* Subject Requirements

Once a student has met these two sets of requirements they then compete for places using the new CAO points system, introduced in 2017 and described below. The points needed for all CAO courses are published each August and are available on [www.cao.ie](http://www.cao.ie), [www.qualifax.ie](http://www.qualifax.ie) and [www.careersportal.ie](http://www.careersportal.ie). Please note the points needed can vary from year to year.

## Leaving Certificate grading and CAO points

| Higher Level Grades | Higher Level Points | % Bands | Ordinary Level Grades | Ordinary Level Points |
|---------------------|---------------------|---------|-----------------------|-----------------------|
| H1                  | 100                 | 90-100% | O1                    | 56                    |
| H2                  | 88                  | 80-89%  | O2                    | 46                    |
| H3                  | 77                  | 70-79%  | O3                    | 37                    |
| H4                  | 66                  | 60-69%  | O4                    | 28                    |
| H5                  | 56                  | 50-59%  | O5                    | 20                    |
| H6                  | 46                  | 40-49%  | O6                    | 12                    |
| H7                  | 37                  | 30-39%  | O7                    | 0                     |
| H8                  | 0                   | 0-29%   | O8                    | 0                     |

Points are allocated to the six best grades of an applicant.

25 bonus points is awarded for Higher Level Mathematics for H6 and above providing the total for the grade achieved in Maths with the added bonus is among your top 6 scoring subjects.

## More details on the two sets of requirements

### 1. **Minimum Entry Requirements:**

These are particular subjects and numbers of honours/passes required to apply to an individual college or university.

**Full details of the Minimum Entry Requirements and Specific Subject Requirements of any particular courses you are interested in should be researched in [www.qualifax.ie](http://www.qualifax.ie) or [www.careersportal.ie](http://www.careersportal.ie) and the college's prospectus or website as requirements are subject to change.**

**MINIMUM REQUIREMENTS FOR FURTHER/HIGHER EDUCATION**

- Level 8 – Honours Degrees
  - 3/4 years study
  - Min. of 2 H5 and 4 O6/H7  
(TCD & a small no. of level 8 courses-  
Min 3 H5 and 3 O6/H7)
- Level 7 – Ordinary Degrees
  - 3 years study
  - Min. 5 O6/H7
- Level 6 – Higher Certificate
  - 2 years study
  - Min 5 O6/H7
- Post Leaving Certificate Courses
  - 1 year study
  - Min. 5 passes in H/O/F or Leaving Certificate Applied



Some apprenticeships and training eg Garda require specific grades and subjects in the leaving Certificate. Please see [www.apprenticeship.ie](http://www.apprenticeship.ie) and [www.garda.ie](http://www.garda.ie) for details.

The following are the **minimum entry requirements** of the main colleges in the CAO system.

Abbreviations:

|  |              |
|--|--------------|
| <b>Dublin City University</b>                  | <b>DCU</b>   |
| <b>Technological University Dublin</b>         | <b>TUDUB</b> |
| <b>National College of Art and Design</b>      | <b>NCAD</b>  |
| <b>University College Galway</b>               | <b>UCG</b>   |
| <b>University College Cork</b>                 | <b>UCC</b>   |
| <b>University College Dublin</b>               | <b>UCD</b>   |
| <b>University of Limerick</b>                  | <b>UL</b>    |
| <b>National University of Ireland Maynooth</b> | <b>NUIM</b>  |
| <b>Royal College of Surgeons</b>               | <b>RCSI</b>  |
| <b>Trinity College Dublin</b>                  | <b>TCD</b>   |
| <b>National University of Ireland</b>          | <b>NUI</b>   |
| <b>Royal college of surgeons in Ireland</b>    | <b>RCSI</b>  |

#### **NUI Colleges (UCC, UCD, UCG, NUIM), RCSI & NCAD**

- Irish, English & Modern Language.
- Maths is essential most but not all courses
- Important: A Modern Language is essential to gain entry to a number of courses in the NUI universities and RCSI with the exception of Science, Agriculture, Nursing, Engineering, Computer Science and some other courses. A modern language or Art is required for entry to all courses in NCAD

#### **TCD**

- English, Maths & Another Language (can be Irish or Modern Language)

#### **UL**

- English, Maths & Irish OR Another Language

#### **DCU**

- Maths & English OR Irish

#### **INSTITUTES OF TECHNOLOGY and TUDUB , TU Tallaght, TU Blanchardstown)**

- Maths & English OR Irish
- A small number of courses do not require maths

#### **2. Specific Subject Requirements**

(In addition to the minimum entry requirements mentioned previously, certain additional subjects may be required to gain entry to specific courses in a college.)

**For most University & College courses, there are no specific subject requirements.** This includes courses in Arts, Business, Computing, Law, Psychology,

Design, Social Science and many others. The following are **EXCEPTIONS** and for the most part are required at **Honours (Higher) Level**.

**SCIENCE (BIOLOGY,CHEMISTRY, PHYSICS)**

**The following rule is unique to TRINITY College, Dublin:**

**Two** Sciences with **Ordinary Maths** or  
**one** Science with **Higher Maths** are required for:

|                                  |                      |
|----------------------------------|----------------------|
| Physiotherapy;                   | Medicinal Chemistry; |
| Pharmacy (Chemistry must be one) | Human Genetics;      |
| Science                          | Earth Science        |

Nanoscience, Physics and Chemistry of Advanced Materials

(SCIENCE generally refers to laboratory sciences i.e. Biology, Physics or Chemistry, however, Geography can count as a science for some of these courses in TCD only)

**Two** Science subjects are required for:

Medicine (TCD), (UCC specifies Chemistry must be one of them)  
Medicine (RCSI),(5 YR course - H4 Chemistry + H4 Biology or Physics)  
Dentistry (TCD) (UCC specifies Chemistry must be one of them)  
Pharmacy (UCC and TCD specifies that Chemistry must be one of them)  
Human Health and Disease (TCD specifies Biology must be one of them)

**One** Science subject is required for:

- All Nursing degrees (O/H accepted), it does not have to be Biology
- Occupational Therapy
- Speech & Language Therapy
- Radiation Therapy, Radiography, Physiotherapy
- Medicine (UCD- Chemistry required for 5 yr programme, UCG, RCSI)
- Veterinary Medicine (UCD-**Chemistry is essential** and 2 sciences are recommended)
- Engineering (in some colleges)
- Agricultural Science
- Sports Science
- Nutrition & Dietetics (**Chemistry is essential**)
- Science
- Applied sciences (E.g. Clinical Measurement, Pharmacology, Optometry)
- Beauty Therapy (Biology is useful but not essential for many courses)
- Vet Nursing and Dental Nursing
- Home Economics Teaching
- Genetics (In UCC Biology is essential)
- Theoretical Physics (In TCD H3 Physics is essential)

However, many of the courses available in science, engineering and electronics in the Institutes of Technology do not require a science subject

### **ART**

If you wish to take a course at third-level in Art, some colleges/courses require that you have studied Art, others may not. However, a substantial **portfolio** of work is usually required, and this is difficult to complete if you are not doing Art.

### **MUSIC**

If you wish to take a course at third-level in Music, some courses require that you have studied Music, others may not. Some courses may require you to perform an **audition** or sit a music test.

### **LANGUAGES**

A modern language is generally a requirement for the NUI colleges (UCC, UCD, UCG, NUIM) plus RCSI, Shannon College of Hotel Management, St. Angela's College & NCAD. However in the NUI colleges some exceptions to this rule include Engineering, Science, Nursing and Ag. Science courses plus some other courses. Please check college websites. There are some language courses you can enter without having previously studied the language, but generally speaking you will be required to have studied a particular language to Leaving Cert in order to study it at third level and some language courses will require a H3 or H4 in a modern language.

### **ACCOUNTING, BUSINESS, ECONOMICS**

There are no careers/courses that specifically require these subjects as an entry requirement. However they are useful for many courses and careers.

### **GEOGRAPHY, HISTORY, HOME ECONOMICS**

There are no careers/courses that specifically require Geography/History as an entry requirement. However they are useful for many courses and careers. Home Economics is essential to study Home Economics in St. Angela's College Silgo.

### **ENGLISH**

Almost all universities, colleges and employers require a pass in Ordinary level English though some will accept Irish instead (e.g. the Institutes of Technology, TU and DCU). A H4 in English is essential for a small number of courses like Journalism, Communications, Media studies, Some Creative Digital Media courses and Speech Therapy.



### **IRISH**

Irish is required for **all** faculties in the National University of Ireland (UCC, UCD, UCG, NUIM, NCAD) but you can be exempt from it under certain conditions e.g. being born outside Ireland or having a specific learning difficulty (dyslexia). Irish satisfies the requirement of a Modern Language for TCD and the language other than English requirement for UL and DCU. **Primary Teaching** requires a H4 in Irish.

### **MATHEMATICS**

Employers tend to expect applicants to have numeric skills and look for at least a pass Maths. Likewise, the Institutes of Technology usually require a pass for entry to their courses (although in some cases they will accept foundation level). The universities require up to an O2 for some of their Science and Business courses reflecting its importance as part of these courses. An O6/H7 is required for entry to Nursing.

**Higher** level Mathematics is required by relatively few courses. One particular group that require it are Engineering honours degree courses. For Engineering, Mathematical, Theoretical Physics courses, Actuarial degrees and Quantitative Business the requirements range from a H2 to a H4, depending on the course, again reflecting the crucial role it plays in these disciplines. Some Computer, Financial and Economics courses also require the equivalent of a H3 or H4 in Maths.

**A bonus of 25 points will continue to be awarded to students who achieve a grade H6 or above in Higher Level Maths.**

Foundation Level Mathematics is accepted by some employers and points are awarded in a limited number of colleges. Most PLC courses will accept it. Check [www.qualifax.ie](http://www.qualifax.ie) for a list of these courses.

### **AGRICULTURAL SCIENCE**

There are no careers/courses that specifically require this subject as an entry requirement. However it is useful for many courses and careers.

Please note some specific admission restrictions that apply only to TCD.

Biology and Agricultural Science may not be presented as 2 of the 6 subjects required for minimum entry requirements and they may not be presented together to satisfy course specific requirements. However both may be used for scoring purposes.

Art and Music may not be offered as 2 of the 3 higher Leaving Certificate grades for minimum requirements but both may be used for scoring purposes.

Details of the Specific Requirements for courses can be found in the 3rd level college's literature. It is vitally important to check these requirements if you are hoping to apply for a particular 3rd level course, so as to ensure you are choosing the appropriate subjects for your Leaving Cert.

It is only after both sets of requirements have been met, are you deemed to be qualified to submit your 'Points' for a particular course. If you don't have the right subjects to

meet the above requirements for a course then you cannot apply for the course, even if you had 600 (625 with honours Maths) points!

***Check Careersportal / Qualifax and the relevant college literature/website yourself. It's your choice and your responsibility to ensure you have the correct requirements for your future college course choices .***

## Useful Websites:

-  [www.cao.ie](http://www.cao.ie)  
College application site

-  [www.ucas.com](http://www.ucas.com)  
UK college application site

-  [www.qualifax.ie](http://www.qualifax.ie)  
Information on college courses

-  [www.careersportal.ie](http://www.careersportal.ie)  
Information on educational and career development

-  [www.eunicas.ie](http://www.eunicas.ie)  
European university central application system

-  [www.apprenticeship.ie](http://www.apprenticeship.ie)  
Information on apprenticeships available in Ireland

## Notes:

## **Accounting**

Leaving Certificate accounting provides students with the knowledge, understanding and skills in accounting and financial management necessary for managing personal and basic company accounts. The learning experiences in accounting develop students' organisational, logical thinking, planning and problem-solving skills for their future life, work and study. It also develops their numeracy skills within the context of business and enterprise

### **Why Study Accounting**

For those considering studying accounting, actuarial studies or finance after the Leaving Cert it would be unwise to leave accounting out of their subject choice. It is also an important subject choice for those thinking of starting their own business. It is recommended if Accountancy is the career path you want to follow.

### **What kind of Student would Accounting suit**

Commonly seen as the mathematical side of business, accounting attracts the more numerate student. It teaches students the bookkeeping side of business but delves deeper, teaching you to analyse and interpret the figures. Once you can understand and adhere to the basic rules of accountancy, it is a subject that you can do very well in.

### **Recommendations/Tips**

The course is numerically based but theory and procedures must be learned also.

While the student needs to be comfortable with numbers he or she does not need to be at higher maths level.

While the Junior Certificate Business Studies Course provides a foundation for this course, it is not essential and it is possible to take accountancy up at senior cycle.

This course offers a hard working student the real possibility of high grades because of the unambiguous nature of the questions. An organised student who likes order will be particularly suited to this course.

### **Course Overview**

Accounting is a business studies option within the Leaving Certificate programme. It covers aspects of business and social life which are not dealt with in any other subject in that programme. It is concerned with the preparation, recording, extraction, presentation and analysis of financial information for the purpose of making economic decisions.

The course also involves a Management Accounting section where the student will learn how to analyse business costs and how to prepare budgets.

This business subject teaches the skills and knowledge needed to understand how business works. The syllabus will help you:

- To contribute to a balanced and appropriate general education, leading to the personal and social development of each student together with a fostering of the concept of accountability
- To create awareness of the business environment and to provide each student with the knowledge, understanding and skills leading to a personal competence and responsible participation in this changing and challenging environment.
- To encourage the development of self-reliance, mental organisation and agility, clear and logical thinking, planning habits, methods of investigation and processes whereby accuracy can be ensured
- To enhance numeracy skills and promote awareness of the use of figures computations and statistics in the world of business and enterprise
- To expose students to aspects of business and enterprise with a view to career and working life, additional studies in accounting or as a basis for further education.

### **Course Content**

Topics covered include:

Financial Statements Preparation, Farm Accounts, Club Accounts, Company Accounts, Manufacturing Accounts, Financial Statements Analysis and Interpretation, Budgeting, Break-even Analysis, Cost Classification, Accounting Theory and Principles.

### **Exam Structure**

The subject is examined at higher and ordinary level. Both levels involve one exam of three hours duration. The exam paper is made up of three sections, the first two are based on the Financial Accounting section of the course and the third covers the Management Accounting section. Questions must be answered from all sections of the exam paper.

### **Career Possibilities**

Accountancy provides a valuable foundation for all business functions and many top executives have an accountancy background. Most chief executive officers of public limited companies have some sort of accountancy qualification.

Career pathways might include accountancy, actuarial studies, marketing, business or finance. It would also be an important subject choice for those thinking of starting their own business

## **Agricultural Science**

Agricultural science is the study of the science and technology underlying the principles and practices of agriculture. 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.

### **Why Study Agricultural Science?**

Agricultural Science remains a very popular subject among students in Ireland and reflects our agricultural background. This subject proves popular among students who are planning to study Veterinary Science, Science in college.

### **Course Overview**

This subject aims to develop knowledge, skills and attitudes concerning the factors that affect the long-term well-being of agricultural resources, and places emphasis on the managed use of these resources. It is recognised as a laboratory science subject for most 3rd level courses including nursing.

It can be a good study to subject with Biology and/or Geography due to the overlap in course content. Some experience of farming would be desirable.

### **Course Content**

The course consists of the study of a variety of aspects of agriculture and is divided into four main strands.

#### **Scientific Practices:**

- Hypothesising
- Experimenting
- Evaluating Evidence
- Communicating
- Working Safely

#### **Soils:**

- Classification
- Properties (Chemical, Physical, Biological)

- Management

Grass and Other Crops:

- Plant Physiology
- Classification/Identification
- Production (Establishment, Management, Harvesting)

Animals:

- Animal Physiology
- Classification/Identification
- Production (System/Enterprise, Management, Animal Husbandry and Health)

### **Exam Structure**

The assessment in Agricultural Science consists of:

(a) a terminal examination paper (75%), at both Higher and Ordinary level, lasting 2 and a half hours, examining the following:

- knowledge and recall of facts related to the principles and practices of Agricultural Science
- application of knowledge and understanding from different areas of the specification to familiar and unfamiliar situations
- scientific inquiry, formulation of hypotheses and design of investigations
- critical thinking, the ability to analyse and evaluate information and to form reasonable and logical argument, based on evidence
- problem solving based on integration, analysis and evaluation of qualitative and quantitative information and data
- understanding of the ethical, historical, environmental and technological aspects of science, and how it contributes to the social and economic development of society.

(b) (i) portfolio of activities and investigations, including laboratory and field investigations, farm visits and other appropriate activities.

(ii) a student project, through which a topic of agricultural significance is explored in greater depth. This will be based on a theme, which will be set annually by the State Examinations Commission.

Both the portfolio and student project will amount to a combined total of 25% of the student's final grade.

### **Career Possibilities**

Careers in this area include: Greenkeeping, Horticulture, Food Science, Agricultural Advisers, Agricultural Engineering, Sports Turf Management, Environmental Science, Forestry, Farming, Marine Science, Careers in Renewable Energy and Teaching.

## **Art**

The Art course for Leaving Cert is broken into 3 main areas, practical project work, life-drawing & Art History. The practical components are designed to develop the student's ability in a range of artistic fields and disciplines. Students will work in a range of media including wet & dry media, paint, print & clay. They will learn transferable research skills and there will be a key focus on individual development of ideas and skills development.

### **Exam Structure**

The recent assessment changes have resulted in students completing their main exam project - 50% of the final grade - during a 10 week period, there is a 1 hour life-drawing exam in May (12.5%) and the Art History exam is sat in June (37.5%).

### **Why Study Art**

If you want to study more in an artistic area, you can continue in Fine Art and specialise in painting, sculpting or printmaking. Alternatively, you could go into the design area and specialise in areas such as fashion, graphic, interior or furniture design. Studying art, as the title suggests, allows students to be creative and explore their desire for self-expression and develop an appreciation for artistic work of others, including the work of famous artists and the history of art.

### **What kind of Student would Art suit?**

- Students who have shown an aptitude for art, such as by getting high grades in Junior Cert Art.
- Anyone considering a career in a creative discipline such as Architecture, Marketing, Film and Entertainment, Web Design, Fashion, Game Design, or Advertising.
- Students who enjoy expressing themselves through art and like to sketch and doodle.
- Students who are prepared to work hard at developing their artistic talent.
- Students who enjoy active learning.

### **Tips**

- For most third level art and design courses, a portfolio is required as well as the Leaving Cert.

### **Career Possibilities**



Art is useful for careers in animation, art teaching, computer design, architecture, fashion design, interior design, graphic design, painting and decorating, photography and art therapy.

## **Biology**

Biology is the study of life. Through the study of biology students employ the processes of science to explore the diversity of life and the inter-relationships between organisms and their environment. They become more aware of the use of living organisms and their products to enhance human health and the environment.

### **Recommendations/Tips**

- It is recommended that a student taking Leaving Certificate Biology has a good understanding of Junior Science at Higher level.
- Each student must have an aptitude and interest for laboratory work.
- A considerable amount of learning and study is necessary to do well in this subject

### **Course Content**

The syllabus consists of approximately 70% biological knowledge, understanding and skills; the remaining 30% deals with the technological, political, social and economic aspects of biology.

The syllabus introduced in 2002 has been developed in response to current knowledge and application of biology. Account has been taken of the need to include contemporary biological technologies such as DNA profiling and genetic screening. It aims to create in students an awareness of the application of biological knowledge to modern society and to develop an ability to make informed evaluations about contemporary biological issues. The course covers a wide range of topics, including cell structure and diversity, metabolism, genetics, and human and flowering plant anatomy and physiology. The general principles of ecology are studied, and one particular ecosystem is examined in detail. An ecology field trip is arranged in the 5th Year. Particular emphasis is placed on the practical aspects of biology, and there are a number of mandatory activities that each student must carry out for themselves.

The course is divided into three units

- Unit 1 The study of life (ecology and food science)
- Unit 2 The Cell (Genetics, photosynthesis, respiration and enzymes)
- Unit 3 The organism (a study of body systems, plant biology and microbiology)

There are 22 mandatory practical activities. Three of these are examined each year, two of which have to be answered. A laboratory record of these activities has to be kept and available for inspection by The Department of Education. An ecology portfolio must also be completed. As of yet, no marks are awarded for the laboratory notebook or the

portfolio. There is a strong emphasis on social and applied aspects e.g. when studying the breathing system, a breathing disorder is studied.

Biology is often perceived as an easier subject than physics or chemistry but this is not so. **Please note the LC Biology course is due to change we are awaiting details of these changes.**

### **Exam Structure**

The examination at Higher and Ordinary level is three hours in duration. The exam paper is divided into three units.

- Section A - Six short questions (answer five) 100 marks.
- Section B - Three questions on practical activities (answer two) 60 marks.
- Section C - Six long questions (answer four) 240 marks.

### **Career Possibilities**

Biology is a great subject if you are considering nursing or medicine. Other careers where studying Biology at second level is useful include:

Veterinary, Dentistry, Agriculture, Applied Biology, Biochemistry, Biotechnology, Botany, Ecology, Earth Science and Environmental Science, Genetics, Marine Science and Aquaculture, Microbiology and Zoology, Psychologist, Astronomer, Teacher, Dietician and Researcher.

### **Business**

Leaving Certificate business creates an awareness of the importance of business activity and develops a positive and ethical attitude towards enterprise. The learning experiences in business develop students' critical thinking, creative and organisational skills while enhancing literacy and numeracy skills using real-life examples. Business provides students with a learning foundation for a wide range of careers in business, marketing, law, enterprise and management.

#### **Why Study Business**

Business is not specifically required for entry into any third level course but it would certainly be beneficial for candidates who might be interested in courses or careers in the area of finance, enterprise, law and communications.

#### **What kind of student would Business suit?**

Business will suit a candidate who is interested in current affairs and listens to the news, reads the papers and stays alert to what is happening in the general business world. While there is a fair share of learning of key concepts the ability to apply these concepts in everyday life will be the difference between passing the subject and getting a good mark.

While the business concepts are easy to understand, it will be important to show that you can apply the concept to everyday business life.

This subject suits someone who has an organised mind and likes to answer questions in bullet points, rather than in long essay format.

This subject would be useful to anyone thinking of starting his or her own business in the future.

### **Recommendations/Tips/Comments**

- The subject is suited to students who are willing to work hard and caters for all abilities.
- It is not necessary for students to have studied Junior Certificate Business Studies, but this would be a help.
- Not necessary to write long essays, answers are presented in bullet points.
- Course content is factual and requires a lot of learning, containing only a few mathematical elements.
- Ideally, students would have an interest in business and current affairs and would have an up to date knowledge of economic environment

### **Course Overview**

This subject teaches the skills and knowledge needed to understand how business works.

This is a practical course that introduces students to the world of business in a straightforward and logical way. It aims to create an awareness of the importance of business activity and to develop a positive and ethical attitude towards it. The importance of people in business is highlighted.

The course sets out to illustrate the process of setting up a business and developing a new product or service. It emphasises the importance of good management and deals with skills and activities necessary for good management practice. It also deals with the impact of technology, foreign trade, global firms and competition and with business structures and the national economy.

Business requires students to stay alert and to be aware of current related business media (e.g. newspapers, TV, radio). The course is theory based and therefore requires a lot of learning.

### **Course Content**

- This subject is concerned with understanding the environment in which business operates in Ireland and in the wider world.
- It also involves equipping the students with a positive view of enterprise and its applications in the business environment, in both the public and private sectors.
- There are 7 core units covering the following topics: Introduction to people in business; Enterprise; Managing 1 & 2; Business in action; Domestic Environment and International Environment.

## **Exam Structure**

Exam Structure - Higher & Ordinary Level

Higher Level – 1 x 3 hour paper (400 marks); 3 sections.

Section 1 – Short questions (8/10) 80 marks.

Section 2 – Applied Business Question – 80 marks (compulsory).

Section 3 – Long Questions (60 marks per question (4/7))

Ordinary Level – 1 x 2.5 hour paper (400 marks); 2 sections.

Section 1 – Short Question (10/15) 100 marks.

Section 2 – Long Questions (75 marks per question (4/8)).

## **Career Possibilities**

Business is useful for careers in a wide range of areas including Banking, Finance, Administration, Law, Insurance, Management and Marketing among others.

## **Chemistry**

Chemistry exists everywhere, not just in laboratories, but in every living thing on land and sea and in our bodies. Chemistry is often described as 'the central science' containing a lot of formulas. So, if you enjoyed Junior Cert Science and have done well in it, and in Maths, you should be a good candidate for Leaving Cert Chemistry.

### **Why Study Chemistry**

This subject aims to provide a relevant course for students who will complete their study of chemistry at this level while, at the same time, providing a foundation course for those who will continue to study chemistry or related subjects following completion of their Leaving Certificate. Chemistry is considered most useful for careers in Pharmacy, Ag Science, Medicine, Engineering, General Sciences and Biotechnology.

What kind of student would Chemistry suit?

- If you enjoyed Junior Cert Science and you have done well in this and in Maths, you should be a good candidate for Leaving Cert Chemistry.
- If you apply attention to detail and are able to describe the procedures of experiments and understand vocabulary.
- Students considering a career in any scientific discipline, such as chemistry, biology, environmental science, medicine, pharmacology, or material science.

### **Recommendations/Tips**

- It is recommended that a student undertaking the chemistry course has a good understanding of Junior Cert Science at Higher level.

- Each student should have an aptitude for and an interest in laboratory work.
- A student would be expected to have a reasonable level of Junior Cert Maths, either at Higher or Ordinary level.

## **Course Overview**

The subject aims to provide a relevant course for students who will complete their study of chemistry at this level while, at the same time, providing a foundation course for those who will continue to study chemistry or related subjects following completion of their Leaving Certificate.

The Leaving Cert. course follows on directly from Junior Cert Science, and deals with more topics in a lot more depth. The course includes 28 mandatory practical experiments which must be completed in the lab, as well as a written paper including questions on the experiments and examining the theory and applications of chemistry. There are an amount of calculations involved. Chemistry has been the second most popular science subject for some time now.

## **Quick facts**

- There is no element of continuous assessment but experimental copies must be available for inspection by State Examinations Commission

## **Course Content**

The syllabus consists of approximately 70% pure chemistry; the remaining 30% deals with the social and applied aspects of chemistry.

The syllabus is comprised of all the essential and relevant topics within general chemistry. The major topics involved include the following:

Atomic structure

Volumetric analysis

Organic chemistry

Water chemistry

Reaction mechanisms.

There also is an option to be taken as part of the course which involves the study of atmospheric and industrial chemistry or the study of materials and electrochemistry.

Experimental investigations are an essential part of the leaving certificate course. Each student must complete at least 28 experiments over the duration of the course.

Experimental work is examined as part of the leaving cert exam and forms the basis for a minimum of three questions on the exam paper.

### **Exam Structure**

The leaving cert exam is three hours in duration. Each candidate must answer at least two questions from Section A (experimental section) and a maximum of six questions from Section B.

There are eleven questions in total on the exam paper, each carrying 50 marks.

There is no element of continuous assessment but experimental copies must be available for inspection by the State Examinations Commission. Students taking chemistry have to memorize the chemical components of a series of prescribed experiments. They will need to present the elements of four such experiments in their exam.

**Please note the LC Chemistry course is due to change we are awaiting details of these changes.**

### **Career Possibilities**

Chemistry is considered extremely useful for a wide range of career areas such as: Pharmacy, Ag Science, Medicine, Dentistry, Veterinary Science, Pharmacy, Physiotherapy, Engineering, General Sciences, Dietician, Nursing, Food Science, Biotechnology and Medical Laboratory Technology.

### **Economics**

Leaving Certificate economics provides students with the knowledge and skills necessary for understanding how the Irish and global economy functions. The learning experiences in economics develop students' critical thinking, problem solving, decision-making and numeracy skills. Economics provides students with a learning foundation for a wide range of careers in business, economics, finance, enterprise and management.

### **Why Study Economics**

Economics deals with the real world business obstacles such as demand and supply, production and consumption, money and banking as well as economic policies, problems and conflicts. With inflation and international trade and payments constantly making headlines, economics requires its students to keep track of real world situations.

It helps students to develop a clear understanding of the role of economics, to encourage the development of appropriate learning skills, and to generate in students a positive and ethical attitude to economics in personal, business and public life

### **What kind of student might Economics suit?**

- Anyone considering a future career in any area of business, journalism, communications or finance

## **Course Overview**

This subject teaches the skills and knowledge needed to understand how business works.

Economics is regarded as the most practical business subject and is the study of how people manage limited resources such as money to meet their goals. By understanding the reasons why people spend their money in certain ways, economists can try to introduce incentives to change their behaviours. As a discipline, economics is divided into two broad categories:

Microeconomics considers how individual people decide what goods they are willing to buy or not buy based on maximising their personal 'utility' (getting as much benefit as possible from their money), and how firms and businesses will try to take advantage of consumers' habits to maximise profit. It also examines how multiple businesses in a market will price their goods based on their competitors and their various costs.

Macroeconomics considers how governments handle the economy as a whole - how they select policies which meet their goals, such as stable economic growth (avoiding recessions), minimising the national debt, and encouraging employment. How the government handles issues such as fiscal policy (how much money flows in the economy), international trade, and banking all have implications for economics stability and growth.

## **Course Content**

The subject is concerned with understanding the workings of a modern economy from both Macro and Micro level. Leaving Certificate economics consists of eight main examination question areas:

### **Subject content**

1. Demand, supply, equilibrium, utility and elasticity
  2. Costs and market structures
  3. Factors of production (including economists)
  4. National income and the multiplier
  5. Inflation, money, banking and monetary policy
  6. International trade, balance of payments and the euro
  7. Fiscal policy and taxation
  8. The Government in the economy (including economic development and growth, population and emigration)
- Separate questions on elasticity and costs are also possible, and questions on broader topics such as the national income, Government policy - the list above is just a general guide

## **Exam Structure**

Please note that there is due to be a new economics course introduced this year where students will have a 20% common level research project and a 2.5hrs written exam worth 80% with Section A - short answer questions. Section B- extended response questions. We are currently awaiting further details on this new course.

### **Career Possibilities**

The Leaving Cert economics programme can be an advantage for students considering third level courses with an economics element to course content. It is also useful for careers in Banking, Insurance, Finance, Marketing, Politics, Journalism, current affairs and all aspects of business.

### **English**

At Leaving Cert level, the English course aims to develop:

- The ability to critically analyse information, as preparation for the responsibilities and challenges of adult life;
- A respect and appreciation for language used accurately and appropriately, and a competence in a wide range of oral and written language skills;
- An awareness of the value of literature for widening horizons, for enhancing their sense of cultural identity, and for personal enjoyment.

### **Course Content**

#### Core Elements

##### Language

Students are required to study the following five designated areas of language in a wide variety of contexts, functions and styles.

1. The Language of Information.
2. The Language of Argument.
3. The Language of Persuasion.
4. The Language of Narration.
5. The Aesthetic use of Language.

##### Literature

Students are required to study one literary text from a list of prescribed texts.

Students are required to study three other texts in the Comparative manner, according to the comparative modes prescribed for that year.

Students are required to study at least six poets from the eight poets prescribed at higher level. At ordinary level, 36 poems are prescribed.



Compulsory elements: At higher level, a Shakespearean Play must be one of the texts chosen for study on its own or as an element of the Comparative study.

Optional Elements: At ordinary level, the study of a Shakespearean play is optional.

### **Exam Structure**

Paper I Higher and Ordinary Level - 170 mins. - 200 marks.

Section I Three texts - one which is visual - are presented to students on a general theme. Two sets of questions, an A and a B follow each text. Candidates must answer a question A on one text and a question B on a different text. (100 marks)

Section II (Composing) Candidates must write an extended composition in a specific genre of language from a list of seven choices. (100 marks)

Paper II Higher and Ordinary Level - 200 mins. - 200 marks.

Section I The Single Text (60 marks)

Section II The Comparative study (70 marks)

Section III Poetry (70 marks)

Higher Level

(i) Unseen poem (20 marks)

(ii) Prescribed poetry (50 marks)

Ordinary Level

(i) Unseen poem (20 marks)

(ii) Four poems will be printed on the exam paper and students must answer questions on one of the four. (50 marks)

### **Career Possibilities**

English is valuable for a wide range of careers in a wide range of areas including: Advertising, Broadcasting, Journalism, Law, Librarianship, Politics, Speech Therapy, Teaching, Sales, Linguistics, Interpretation and Translation to name just a few.

### **French**

French as a Leaving Certificate subject aims to bring students closer to fluency in the French language, as well as developing a good knowledge of literature, culture, geography and national history, in order to provide a context for communication. Senior Cycle French builds on the knowledge acquired for the Junior Certificate.

### **Course Overview**

Leaving Certificate French aims to develop learners' communicative skills in French, to develop their strategies for effective language learning and raise their awareness of cultural, social and political diversity.

Assessment is by means of a written examination, and an aural and oral examination at two levels, ordinary level and higher level.

### **Course Content**

Course content for higher and ordinary levels is similar. However, oral and written skills are particularly important at higher level. A grade 'C' at higher level in the Junior Certificate is usually a minimum requirement for higher level French at Leaving Certificate.

Modern languages require students to be proficient in the following skills:

Oral/Speaking

Written

For higher level, the written section involves formal and informal letters, diary entry, message/fax/email, expressing an opinion, and personalised writing.

Aural/Listening

Reading

A wide variety of themes are covered, for example:

Family

School

Hobbies

Sport

Current Affairs

Grammar and Cultural Awareness are essential elements of these courses.

### **Exam Structure**

Mark Allocation for Leaving Certificate French:

| <b>Section</b>          | <b>Higher Level</b> | <b>Ordinary Level</b> |
|-------------------------|---------------------|-----------------------|
| Speaking                | 25%                 | 20%                   |
| Listening Comprehension | 20%                 | 25%                   |
| Reading Comprehension   | 30%                 | 40%                   |
| Writing                 | 25%                 | 15%                   |

**The Oral Exam** This takes place in March/April of 6th year.

13 mins for French - French Interview with examiner. Students may prepare a document.

**Aural/Listening Exam** (40 mins) This exam takes place after the written examination in June. It involves listening to a variety of dialogues and news items in the target language and then answering in English.

**Written Exam** (2½ hours) Reading Comprehension is worth 30% of total exam at higher level and 40% at ordinary level. There are literary and journalistic passages.

### **Career Possibilities**

Specific careers in which French is of benefit include: Teaching; Translation; Interpreting; Linguistics; Localisation; Journalism and Media among others.

## **Geography**

### **Overview**

Geography is the study of people, their environment, and the interaction between the two. The course follows from Junior Cert Geography, and covers very similar topics (such as rocks, soils, oceans, population movements, map-reading, and human activities) in a lot more detail. There are a large number of optional sections on the course, allowing students to focus on the sections of the course which they like.

At the Leaving Certificate Level, Geography is an option subject and can be studied at higher and ordinary level. The Leaving Certificate Geography course is divided into core, elective and option structure. In fifth year the physical and regional sections are covered (core section) with an emphasis placed on the elective (human geography) and option section (geocology) to be completed in sixth year. Students are also expected to complete a geographical investigation and sit a written exam. All students will build on and develop in greater detail the knowledge that they acquired during the Junior Cycle.

### **What kind of student might Geography suit?**

- Students considering further study in areas such as geography, economics, environmental science, or politics.

### **Course Content**

The syllabus is divided into 4 main units. All students study the Core Units 1-3 and Elective Unit 4:

#### **Core Unit 1 - Patterns and processes in the physical environment**

This unit examines the relationship between the tectonic cycle, the rock cycle and the processes of landform development.

#### **Core Unit 2 - Regional geography**

This unit examines how economic, human and physical processes interact in regional settings.

**Core Unit 3 - Geographical investigation and skills**

This unit encourages the development of skills in handling spatial information leading to the completion of an individual geographical investigation.

**Elective Unit 4 - Patterns and processes in the economic environment**

This unit examines patterns in economic development and the growth of a single interdependent global economy.

**Higher Level**

Students taking the Higher Level also study Optional Unit 6 Global Interdependence. This unit examines the interdependent nature of global economic, social and political processes and challenges the differing views of development

**Geographical skills**

The teaching and application of skills is integrated into each of the units where appropriate

- Map and aerial photograph interpretation
- Satellite imagery
- Figure interpretation
- Census of population data
- Weather maps and data.

**Exam Structure**

Leaving Certificate Geography is assessed at Ordinary and Higher level in ascending order of difficulty. There are two assessment components:

1. Written Examination (80%)
2. Geographical Investigation Report (20%)

Students complete two questions on the core units, one question on an elective unit, and one question on an optional unit.

**Subject content:**

1. Patterns and processes in the physical environment
2. Regional geography
3. Geographical investigation

Two Elective Units (pick one)

4. Patterns and processes in economic activities
5. Patterns and processes in the human environment

Four Optional Units (pick one; higher level only):

6. Global interdependence
7. Geoecology

8. Culture and identity
9. The Atmosphere-Ocean environment

The teaching of *geographical skills* is an important element of the course; students are encouraged to improve their ability to gather information (from map-reading, statistics, charts), present information (using diagrams, maps, and writing), and evaluate information (separate fact from opinion, make informed judgements, propose sensible solutions to problems). These skills are assessed in the Geographical Investigation.

### **Career Possibilities**

It is useful in a wide variety of careers such as cartography, Geographical Information Systems (GIS), town planning, environmental science, engineering, travel/tourism, meteorology/weather forecasting, business management & human resources, government, politics, teaching, transport & logistics and in global/development work.

## **German**

### **Course Overview**

Leaving Certificate German aims:

- To introduce the students to German as a living and vibrant method of communication thus helping them to appreciate a culture other than their own.
- To enable the students to acquire the necessary communicative skills that will allow them to take full part in classroom activities in German, participate in everyday transactions and interactions, extract information from and to interpret the various mass media communications, make further study and or possible career paths through the medium of the German language a realistic option.
- To achieve the above aims the students must be facilitated to develop a critical awareness of how meaning is organised and conveyed by the structures and vocabulary of the German language and to develop an understanding of language in general.

The aim is to continue and develop the aspects and aims of the Junior Cycle Programme and to develop skills in the following four areas leading to proficiency in all areas of the German language:

- Oral/speaking
- Written
- Aural/listening
- Reading

German as a Leaving Certificate subject aims to bring students closer to fluency in the German language, as well as developing a good knowledge of literature, culture, geography, and national history to provide a context for communication.

Germany plays a major role in the European context, and after English, German is the most spoken language in the European Union and the tenth most spoken language in the world. German offers significant career value for the years ahead.

### **Course Content**

Modern languages require students to be proficient in the following skills:

**Oral Proficiency** in a range of personal, social, cultural and topical areas.

**Aural Proficiency** The ability to listen to and answer questions on a wide variety of auditory stimuli.

**Comprehension Proficiency** The students must be able to read, interpret, extract and manipulate texts ranging from literature to contemporary journalism and answer questions in the target language.

**Written Production Proficiency** The student must be able to react to a given stimulus in grammatically correct everyday German. These stimuli can take the form of an informal or formal letter, a reaction to a picture, photo, chart, etc. or expressing one's own opinion on a syllabus-related topic.

A wide variety of themes are covered, for example:

- Family
- School
- Hobbies
- Sport
- Current affairs

Grammar and Cultural Awareness are essential elements of these courses.

### **Exam Structure**

The examination will assess a candidate's ability to:

1. Understand the spoken language
2. Understand the written language
3. Communicate in the spoken language
4. Communicate in the written language

Mark Allocation for Leaving Certificate German:

| <b>Section</b>          | <b>Higher Level</b> | <b>Ordinary Level</b> |
|-------------------------|---------------------|-----------------------|
| Speaking                | 25%                 | 20%                   |
| Listening Comprehension | 20%                 | 25%                   |
| Reading Comprehension   | 30%                 | 40%                   |

This subject builds skills and knowledge that are particularly useful for careers in the following Career Sectors:

- Business Management & Human Resources
- Government, Politics & EU
- Education & Teaching
- Banking & Financial Services
- Tourism & Hospitality
- Media & Publishing
- Sales, Retail & Purchasing
- Transport & Logistics
- History, Culture & Languages

## History

History aims to record and analyse things which have happened in the past, with an emphasis on both how and why events occurred. It deals with human experience and involves an investigation of the surviving evidence relating to such experience.

History brings students into contact with human experiences that are often very different from their own and fosters their developing understanding of the human condition and human motivation. History is often studied out of personal interest, but also develops significant transferable skills which are of life-long importance.

Through its focus on the evaluation of evidence, it contributes significantly to the development of students' skills of **critical thinking**. Through its focus on research, it allows students the opportunity to develop their skills of **independent learning**. Through the medium of the Research Project, students learn to craft an academic essay, establishing and shaping an argument and developing a concise writing style.

### What kind of student might History suit?

- Students who enjoy and appreciate history, and would like to improve their knowledge.
- Students who engage with their contemporary world and are interested in how it was shaped.
- Students who wish to develop cross-curricular skills which will be of benefit both at Senior and Third Level.
- Students with good English skills and those who want to further improve their ability to express themselves cogently.
- Students aiming to improve their self-discipline and research skills.

When considering History as a Leaving Certificate subject students should note the following:

- 
- An interest in the subject is vital.
  - A presubmitted Research Topic provides a significant advantage, in that 20% of the marks are available outside the terminal exam. A good knowledge of English, an ability to write and an interest in current affairs is important.
  - Self-discipline is an essential ingredient as students must show initiative in researching material, not merely for the research topic, but also to augment their knowledge of the course in general.
  - Choosing it because it was an easy subject for the Junior Certificate has absolutely no basis in truth, as they are two completely separate courses. Leaving Certificate History is demanding.
  - If history is a subject that you like and you have the ability, discipline and work ethic to do well in it, but is not related to the course you want to pursue at Third Level, you should consider doing it.
- 

### **Course Content**

The Leaving Certificate History Syllabus gives teachers a choice of 4 topics which will be studied from a selection of 12 topics in modern Irish and modern European history.

The topics are arranged in two discrete fields of study:

Early Modern, 1492-1815

Later Modern, 1815-1993

Students will study topics from one of the fields of study.

Within each field of study, there are six topics from Irish history and six from the history of Europe and the wider world.

Students will study two topics from Irish history and two from the history of Europe and the wider world from the selected field of study.

Two topics will be prescribed for documents-based study: one from the Early Modern field of study and one from the Later Modern field of study.

Students will engage in a documents-based study of the prescribed topic from their selected field of study.

### **Research Study**

Students undertake a Research Study which will take the form of a report to be submitted around Easter time before the Leaving Certificate exam in June.

This Research Study can be about any aspect of history, in any period. The teacher will help and oversee this work but the choice of subject matter is that of the student. This part of the assessment carries 20% of the total marks.

### **Exam Structure**



The History exam will last 2 hours 50 minutes and pupils will answer the documents-based study and three essays (one from each topic studied).

Ordinary level students follow an identical course, with a different emphasis in the way questions are asked on exam papers.

Assessment consists of two components: A written examination paper (80%) and A research study report (20%) submitted around Easter before the June exam.

### **Career Possibilities**

An interest in, and knowledge of history are relevant to any career related to current affairs, such as Journalism, Local and National Radio and TV.

History is valuable as a background to studies in Law, Town Planning, Architecture, Politics, Economics, Sociology, Art, Museum and Library work.

History is also a good training for work in Administration, Management and Business and is an excellent basis for careers in Tourism, Government and Teaching.

### **Home Economics**

The Home Economics syllabus provides students with knowledge, understanding, skills and attitudes necessary for managing their own lives, for further and higher education and work. The learning experiences in home economics develop flexibility and adaptability in students, prepare them for a consumer-oriented society and provide a learning foundation for a wide range of careers in food, textiles, science, design, social studies and tourism.

#### **Why Study Home Economics**

Students should study this subject in order to:

- Be able to research, study, analyse and interpret material.
- Be able and willing to learn Nutrition and Culinary skills.
- Be able to communicate well.
- Be organised.
- Be able to discuss topics and work in teams.

### **Course Overview**

The subject is an applied subject combining theory with practice. It is concerned with the management of resources (material and human) to meet the physical, emotional, intellectual, social and economic needs of individuals and families. The study of home economics emphasises the interdependent relationships that exist between individuals, families and their immediate and distant environments.

### **Course Content**

The syllabus consists of Core Areas and Three Electives:

#### **The Core Areas**

1. Food Studies - 45%

2. Resource Management and Consumer Studies - 25%
3. Social Studies - 10%

### **Electives**

1. Home Design and Management - 20%  
or
2. Textiles, Fashion and Design - 20%  
or
3. Social Studies - 20%

Students opt for one elective area only. Those choosing the Textiles, Fashion and Design elective must produce a garment which will be inspected and graded.

The elective areas are extensions of the content contained in the Core Areas and provide students with the opportunity to study certain topics in more depth.

As part of the Core Areas, a mandatory section comprises of Practical Coursework which must be completed during the two years and will be sent to the Department of Education and Science for inspection. This is 20% of the final examination marks.

### **Exam Structure**

The Leaving Certificate Home Economics syllabus is examined as follows:

#### **1. Written Exam paper – 80%**

The written examination consists of three sections:

##### **Section A**

12 short questions – Students answer 10.

These deal mainly with all the core areas of practice. (60 marks allocated)

##### **Section B**

5 questions - Students are to answer Question 1 (Food Science and Nutrition) and any other 2 questions (from the other Core Areas). (180 marks allocated)

##### **Section C**

3 questions - Students are to answer 1.

Elective question, based on which Elective was chosen to do in class. (80 marks allocated)

#### **2. Practical Coursework - 20%**

This is worth 20% of the final mark; this is submitted in journal form earlier in the Leaving Certificate year.

### **Career Possibilities**

This subject provides a good foundation for careers in a wide range of areas including Health, Nutrition, Education, Tourism, Textiles, Design, the Food industry, Science and Social Studies.

## **Gaeilge - Irish**

### **Course Overview**

Irish is assessed at three levels: foundation level, ordinary level or higher level. The learner's oral competency is assessed around Easter of the final year, in an oral examination worth 40%, at each level, of the overall mark. The other three skills; listening, speaking, reading and writing are assessed in June. Aspects of literary works must be studied at ordinary level, while at higher level these same works and additional material must be studied in greater detail.

### **Course Content**

Irish curriculum at Leaving Cert level is similar to the English curriculum. Students are required to study and analyse poetry and prose. Students are introduced to Irish culture through the study of literature. The Leaving Cert exam takes the form of three parts: oral, aural (listening skills) and written examinations. Recent revisions to the syllabus mean that there is now a greater emphasis on the spoken word.

The oral exam is now worth 40% of the overall mark. It takes place after the Easter mid-term break. Students engage in conversation with an examiner and discuss different topics in Irish.

The aural exam takes place on the same day as the written paper, the aural exam lasts about 20-25 minutes. Students will listen to a series of dialogues/conversations and answer questions about the content.

There are four components to the Leaving Certificate examination: an oral exam, a listening comprehension, a language paper and a literature paper.

### **A. Prose Higher and Ordinary Level**

Five prescribed prose pieces are studied for both ordinary and higher level, a folk tale, a short story, an excerpt from a novel, an excerpt from an autobiography:

- Oisín i dTír na n-Óg
- An Gnáthrud le Deirdre Ní Ghrianna
- Dís le Síobhán Ní Shúilleabháin

- Hurlamaboc le Éilís Ní Dhuibhne
- Cáca Milis.

## **B. Poetry Higher and Ordinary Level**

Five prescribed poems are studied for both ordinary and higher level:

- Géibheann le Caitlín Maude
- Colscaradh le Pádraig Mac Suibhne
- Mo Ghrá-sa (idir lúibíní) le Nuala Ní dhomhnaill
- An spailpín Fánach
- An tEarrach Thiar le Máirtín Ó Direáin

## **ARD LÉIBHÉAL**

In addition Higher level students study a novel, or a play, or a collection of short stories or a selection of poems.

## **The Oral Exam**

### **(i) Fáiltiú - Greeting**

The pupil must give the examiner their name, age, date of birth, address and examination number

### **(ii) Léitheoireacht - Reading**

Five poems must be prepared. The examiner will choose one of the poems. The candidate must read 12 lines out loud.

### **(iii) Comhrá - Conversation**

The student will have to answer a series of questions posed by the examiner. This will test their knowledge of different tenses, grammatical accuracy, richness of language and comprehension skills.

### **(iv) Sraith Pictiúr - Picture Series.**

Twenty pictures are prepared for the exam. The examiner will choose one to examine the student on.

## **Exam Structure**

The Irish exam is divided between two written exams and an oral exam. The written exam carries 60% of the mark and the Irish oral exam carries 40% of the mark.

## **Ardleibheal/Higher Level**

The course is taught in conjunction with the four main skills of learning a language: listening, speaking, reading and writing.

## **The Written Papers – Leaving Certificate: Higher Level**

### **(a) Paper I: 2 hours 20 minutes**

Aural Comprehension Test (60 marks)

Written Composition (100 marks)

### **(b) Paper 2: 3 hours 5 minutes**

## **Reading Comprehension**

Two Reading Comprehension (50 marks and 50 marks). It will consist of two extracts of Reading Comprehension, with a question or questions based on each paragraph. The extracts for reading comprehension will follow the same lines as in recent years in terms of their length and difficulty of language.

## **Prose**

One out of five prose will be on the paper (30 marks). A question or questions to be answered on one extract. No choice will be offered in the questions.

## **Poetry**

One out of five poems will be on the paper (30 marks). A question or questions to be answered on one poem. No choice will be offered in the questions.

## **Additional Literature**

Drama (40 marks). No choice will be offered in the questions. It will be expected that candidates will demonstrate an understanding of the works in the context of the history of literature in Irish.

## **The Written Papers – The Leaving Certificate: Ordinary Level**

### **(a) Paper I: 1 hour 50 minutes**

Aural Comprehension Test (60 marks)

Written Composition (100 marks)

### **(b) Paper 2: 2 hours 20 minutes**

#### **Reading Comprehension**

Two Reading Comprehension (50 marks and 50 marks). It will consist of two extracts of Reading Comprehension, with a question or questions based on each paragraph. The extracts for reading comprehension will follow the same lines as in recent years in terms of their length and difficulty of language.

#### **Literature**

Two out of five prose will be examined on the paper. A question or questions to be answered on each prose. Prose 1 (25 marks) Prose 2 (25 marks)

Two out of five poems will be examined on the paper. A question or questions to be answered on each poem. Poetry 1 (25 marks) Poetry 2 (25 marks)

#### **Career Possibilities**

The study of Irish can be valuable in a range of career areas:

- Teaching
- Public Service and Politics
- Law
- Public Administration
- Journalism
- Acting
- The Media

Careers in the Institutions of the European Union are a fantastic opportunity for Irish students, as Irish is now an official working language of the Union.

#### **Maths**

##### **Course Overview**

Mathematics is available for study at three levels: Foundation; Ordinary; Higher. The Higher level course familiarises students with the ideas of abstraction and rigorous proof, giving learners a feel for the great mathematical concepts that span many

centuries and cultures, as well as covering practical everyday topics which students are meeting in their lives outside school.

At Ordinary level, students are offered mathematics that is meaningful, relatively accessible, and chosen with the understanding that many of them may go on to use and apply mathematics in their future careers, and all of them will meet the subject to a greater or lesser degree in their daily lives.

The course starts with practical and familiar problems, and gradually introduces more abstract ideas, leading towards the use of academic mathematics in the context of further study.

At Foundation level, maths is about developing a body of knowledge and skills that make sense, and can be used in many different ways as good method of solving problems and finding answers. It is intended to equip learners with the knowledge and skills required in everyday life. It is also intended to lay the groundwork for learners who may proceed to further studies in areas in which specialist mathematics is not required.

The course focuses primarily on fundamental skills and providing a basic but solid understanding of mathematical concepts which will remain relevant and useful in the future. As well as numerical problems, students can also expect to be presented with visual and spatial questions, as well as some theory.

## **Course Content**

Project Maths divides the course into five 'strands' of maths which are studied at all levels, and in greater depth at Higher level:

- Statistics and Probability aims to provide an understanding of what probability is and why concepts such as variation and uncertainty are important. Students will also learn how to analyse statistics such as those in newspapers, business reports, and scientific data, so that they can draw meaningful and relevant conclusions.
- Geometry and Trigonometry deal with shapes such as circles and triangles, both on the coordinate plane and otherwise. The skills developed here are useful in areas such as architecture, landscape design, and agriculture, as well as visual design and spatial reasoning.
- Number Learners continue to make meaning of the operations of addition, subtraction, multiplication and division of whole and rational numbers and extend this sense-making to complex numbers.
- Algebra builds on the relations-based approach of junior cycle, which has five main objectives:

- to make use of letter symbols for numeric quantities
- to emphasise relationship based algebra
- to connect graphical and symbolic representations of algebraic concepts
- to use real life problems as vehicles to motivate the use of algebra and algebraic thinking
- to use appropriate graphing technologies (graphing calculators, computer software) throughout the strand activities.

### **Exam Structure**

At Ordinary level and Higher level there are two assessment components

- Mathematics Paper 1
- Mathematics Paper 2

Each paper will contain two sections – A and B.

- Section A will address core mathematics topics, with a focus on concepts and skills.
- Section B will include questions that are context based applications of mathematics.

At Foundation level, there is one assessment component, a written paper. Learners will be assessed by means of problems set in meaningful contexts.

### **Career Possibilities**

**Higher level:** From a careers perspective, students considering opportunities in any area of science, medicine, engineering, business, or finance should study Higher level maths if at all possible, as large portions of the Higher level course will be reviewed or assumed at third level.

There are many other careers and courses which benefit from a knowledge of Higher level maths including: accountancy, astronomy, clerical work, marketing, computers and banking.

### **Music**



Leaving Certificate Music involves a series of interrelated musical activities within each of the three core areas of musical experience - performing, composing and listening.

In performing, students choose from a variety of individual and/or group performing activities. This component is examined in March/April of 6th year by an external examiner. Most students in Our Lady's School opt for the Performing Elective, which enable this component to be worth up to 50% of the overall mark.

In composing, students develop an understanding of musical structure and form, developing the skills of melody writing and harmony embedded at Junior cycle.

The listening component provides for rich aural experiences through exposure to music of different periods, styles and genres. Four prescribed works are studied at senior cycle. The works examinable in 2022 are The Beatles - *Sgt. Peppers album*, Mozart - *Piano concerto k.488*, Berlioz - *Symphonie Fantastique* and Raymond Deane - *Seachanges*. There is also a detailed Irish music section.

### **Why Study Music**

- Students can get up to 50 per cent of the total marks in the musical activity that best suits their talent before they even sit the written paper
- In Our Lady's School, the music students are given numerous opportunities to take part in extracurricular music activities, including ceremonies and concerts.
- In music you can develop your talent and knowledge in this area and continue your studies in a wide range of colleges

### **What kind of student would Music suit?**

- Students who have shown an aptitude for music, such as by getting high grades in Junior Cert Music and are keen to develop and practice more.
- If you can read music and have a competence in singing or playing an instrument
- Anyone considering a career in a creative discipline such as singing, playing in a band, music production and performance technology and management.
- Those interested in the rock and pop areas of music can develop their talents in a number of PLC courses in Rock and Jazz Music, including management.

- Students who are looking for a break from intensive memory-work in their other subjects

### **Recommendations/Tips**

- Because of the practical nature of this subject, students and/or parents should discuss this with the senior level music teacher before choosing it as a Leaving Certificate subject.
- Students do not have to have studied Music at junior cycle in order to take it up as a Leaving Certificate subject. It is recommended however that the student will have competent musical skills acquired outside of the classroom and an interest in developing these skills to the required standard for Leaving certificate.

### **Course Content**

The course consists of three main components: (1) Composing (2) Listening (3) Performance

Ordinary level

Students will choose one of the three activities to represent 50 per cent, e.g.

Performing 50% Composing 25% Listening 25% or...

Performing 25% Composing 50% Listening 25% or...

Performing 25% Composing 25% Listening 50%

Higher level

Students will undertake additional studies (a Higher level elective in one of the three activities, e.g.: Performing 25% Composing 25% Listening 25% + One Higher level elective 25%.

This will allow Ordinary level and Higher level students to gain up to 50 per cent of the total marks in the musical activity that best suits their talent.

Musical Performance:

As mentioned above, you can choose to designate 50% of your assessment to musical performance. If you choose this option you have a few further options open to you:

Perform 6 pieces of music on one instrument

Or

You can be examined on two instruments. If you choose this option you are required to perform four pieces of music on each instrument.

Or

You can choose to perform four pieces of music (25%) and be examined in Music Technology (25%). Music Technology involves inputting music into a software package on the computer and being able to perform music edits on it, e.g. add dynamics or tempo markings, or transpose the music. If you have good computer skills, this could be a nice option for you.

## **Exam Structure**

### **Listening Paper**

Examined in June of 6<sup>th</sup> year

90 minutes duration

Four set works, Irish music and general listening skills.

### **Composition Paper**

Examined in June of 6<sup>th</sup> year

90 minutes duration

Melody writing and harmony

### **Performance**

Examined in April of 6<sup>th</sup> year

Candidates may perform as a soloist or as part of a group or both.

**Ordinary Level:** 2 pieces on one instrument and one unprepared test.

**Higher Level:** 3 pieces on one instrument and one unprepared test

OR 2 pieces on each of two instruments and one unprepared test

**Electives for extra 25%: Higher Level only** Each candidate must choose one of the above components to study for this extra credit. The majority tend to opt for a Performance elective.

**Listening Elective:** The candidate must work on a music project over the course of 5<sup>th</sup> and 6<sup>th</sup> year. They must submit some work to the State Examinations Commission and sit an extra written paper in June.

**Composition Elective:** The candidate must undertake a large scale composition to be submitted to the Examinations Commission in their final year.

Performance Elective: This involves a more substantial performance during the examination period in April of 6<sup>th</sup> year.

### **Career Possibilities**

Music is useful for media work or studies, primary teaching, sound engineering, public relations, library work, speech therapy, film, physical education, communications, production, performance and music at third level.

### **Physics**

Physics deals with the laws and forces governing natural phenomena. The course aims to give students an understanding of the fundamental principles of physics and their application to everyday life and technology. The course involves a good mixture of theory, problem solving and practical work which is an integral part of the study of physics. Topics covered by the syllabus include motion, force and momentum, heat, light, optics, sound, electricity, magnetism, nuclear physics and planetary motion.

By studying physics laws in the context of issues that impact on their everyday lives, students will develop an appreciation of real world applications of physics. Students will also develop the ability to observe, to think logically, and to communicate effectively. The problem-solving and analytical skills learned as a physics student will serve you well in any career you choose.

At present Physics is assessed with a single three hour paper which is divided into two sections A and B. Section A examines the knowledge and understanding of the mandatory practical experiments. Section B assesses knowledge and understanding of theory and other demonstrations and experiments. It also assesses problem-solving ability. There is internal choice in both sections.

### **Course Content**

The Physics course also involves a lot of theory which is tested in the written examination. Students are expected to be able to use various formulae with respect to SI units and significant figures, and have a good understanding of the role of physics in modern society and technology.

The study of Physics for Leaving Certificate is broken down into eight sections or topic areas:

(a) Six compulsory sections (b) Two option sections (Higher paper only, one to be done)

Compulsory sections

- **Optics / Waves:** the study of light and sound and real life applications of the theory.
- **Mechanics:** time, space, distance, speed and acceleration.
- **Heat:** changes of state, energy conversions and mathematical problems.
- **Electricity:** develops on from simple circuits to more detailed concepts.
- **Electricity and Magnetism:** gravity, relationship between electricity and magnetism, study of how a motor works, ac. and dc. circuits and phenomena with real world applications.
- **Atomic Physics:** cathode rays, x-rays, radioactive decay, fission and fusion, nuclear reactors and real world applications.

Options:

**Particle Physics:** recent type of physics, delving into the new discoveries leading to a better understanding of the formation of the universe and where we came from.

**Applied Electricity:** detailed study of electricity and the working of a motor developing from electricity already studied.

At Higher Level, there is a deeper, more quantitative treatment of physics. The two option sections are omitted from the Ordinary Level Leaving Certificate course.

The course also consists of 24 core mandatory experiments complementing each section in an aim to develop students' technical skills and enhance understanding and reinforce key concepts.

### Exam Structure

The leaving cert exam is three hours in duration. A total of 400 marks are available for the exam.

#### Section A:

- Students must answer 3 out of 4 questions
- 120 marks: 40 marks per question
- Questions are based on experimental procedures and use of results

#### Section B:

- Students must answer 5 out of 8 questions
- 280 marks: 56 marks per question
- Questions are more broad and theory based

Leaving Certificate Physics is assessed by means of one terminal examination paper at each level. Students are required to keep a record of their practical work over the two years of the course.

**Please note the LC Physics course is due to change we are awaiting details of these changes.**

### **Career Possibilities**

Useful for: Architecture, Astronomy, Automotive and Aerospace Industries, Biophysics, Computer Science, Dentistry, Education, Engineering, Environmental Science, Information Technology, Medicine (Radiography), Meteorology, Optomology, Pharmacy, Telecommunications.

## **Spanish**

### **Course Overview**

Spanish follows a common syllabus framework for the teaching and examining of modern languages in the Leaving Certificate. The syllabus aims to develop learners' communicative skills in Spanish, to develop their strategies for effective language learning and raise their awareness of cultural, social and political diversity.

Assessment is by means of a written examination, and an aural and oral examination at two levels, Ordinary level and Higher level.

### **Course Content**

This syllabus aims to lead every pupil towards four basic outcomes as a result of the experience of modern language learning in the classroom:

- (a) a communicative competence in the target language
- (b) awareness about language and communication
- (c) an understanding of how to go about learning a foreign language
- (d) a level of cultural awareness

1. To foster in learners such communicative skills in the target language as will enable them to:

- take a full part in classroom activities conducted in the target language;
  - participate in normal, everyday transactions and interactions, both spoken and written, both at home and abroad;
  - extract information and derive enjoyment from the mass media and the more accessible literature of the target language community;
  - consider as a realistic option the possibility of pursuing leisure activities, further study and/or career opportunities through the medium of the target language.
2. To give students a critical awareness of how meaning is organised and conveyed by the structures and vocabulary of the target language, and thus to contribute to their understanding of the workings of human language in general.
3. To help learners develop strategies for effective language learning.
4. To equip learners with a broad acquaintance with the cultural, social and political complexion of contexts in which the target language is a normal medium of communication and thus to help raise their awareness of cultural, social and political diversity generally.

### **Exam Structure**

#### Higher Level

- Oral = 25%
- Listening = 20%
- Reading 30%
- Writing 25%

#### Ordinary Level

- Oral = 20%
- Listening = 25%
- Reading 40%
- Writing 15%

The Spanish exam at Higher Level has a technical aspect too. Students are required to show skill in language manipulation and translation.

(1) **Oral Examination (25%):** The Spanish oral exam consists of two parts, personal questions and role-plays and typically last between 12 and 15 minutes depending on the student.

(2) **Listening Examination (20%):** To do well in this, the most important thing is to be prepared. A segment on the weather forecast always appears. Make this an area you know inside out. If you know the vocabulary it's easy marks. Do the listening comprehensions of previous years, this will help you get used to the process. Learning as much vocabulary as possible is always useful to all parts of the Spanish exam.

(3) **Written exam (55%):** You will need a lot of vocabulary for the written exam. Make a note of the words that come up frequently and learn them off. Also, learn all the tenses and become familiar with the endings of different verbs, especially the irregular ones.

### **Career Possibilities**

Related career opportunities are broad and include business, the IT industry, teaching, translation, the hospitality industry, sales, marketing, tourism and careers in the EU.