SENIOR CYCLE

Subject Choice 2022

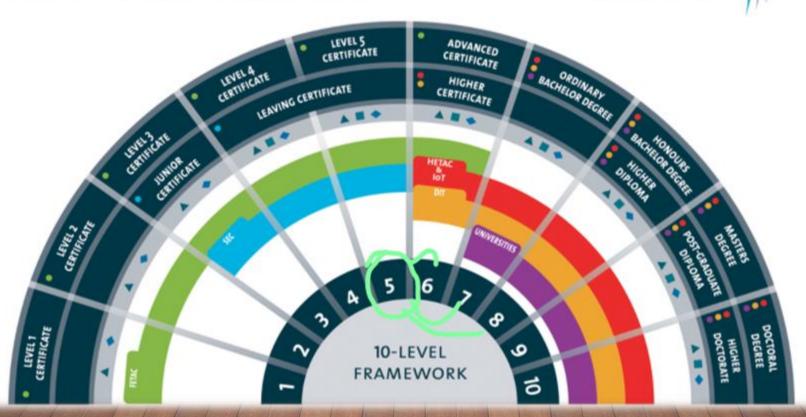


Leaving Certificate **Entry Requirements** Third Language Higher Irish **Mathematics** Leaving Certificate Subjects CAT 4 & Learning Styles **Important Career Websites**

THE LEAVING CERTIFICATE – QQI LEVEL 5

NATIONAL FRAMEWORK OF QUALIFICATIONS

Údarás Náisiúnta Cáilíochtaí na hÉireann National Qualifications Authority of Ireland



SEC ARE THE AWARDING AUTHORITY FOR THIS LEVEL 5

RECOGNISED BY QUALITY & QUALIFICATIONS IRELAND (QQI)

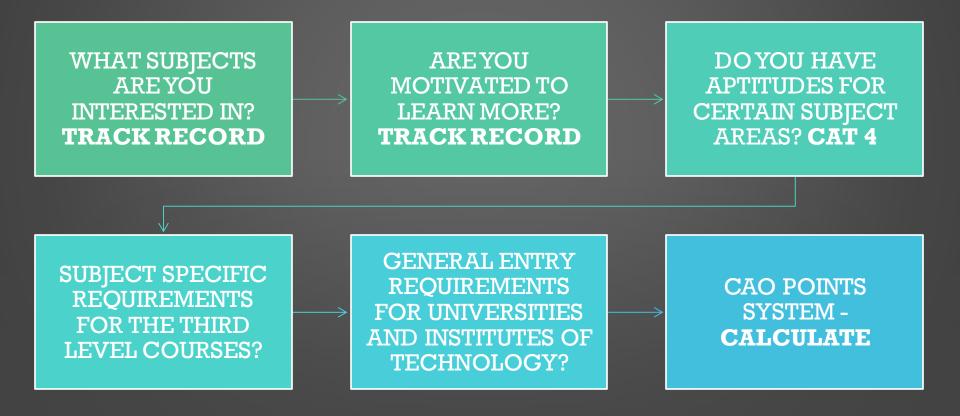
THE LEAVING CERTIFICATE

TWO YEAR SCHOOL PREPARATION

IN GARBALLY, STUDENTS PREPARE FOR THIS EXAM BY CHOOSING 4 ELECTIVE SUBJECTS ON TOP OF ENGLISH, IRISH & MATHEMATICS

LIKE ANY DECISION IN LIFE – PLAY TO YOUR STRENGTHS WHILST ADHERING TO THE RULES

PLAY TO YOUR STRENGTHS & ADHERE TO THIRD LEVEL RULES



REMEMBER...

Three things are important when choosing a subject

MOTIVATION TO LEARN
 INTEREST
 APPTITUDE

None of these are fixed....







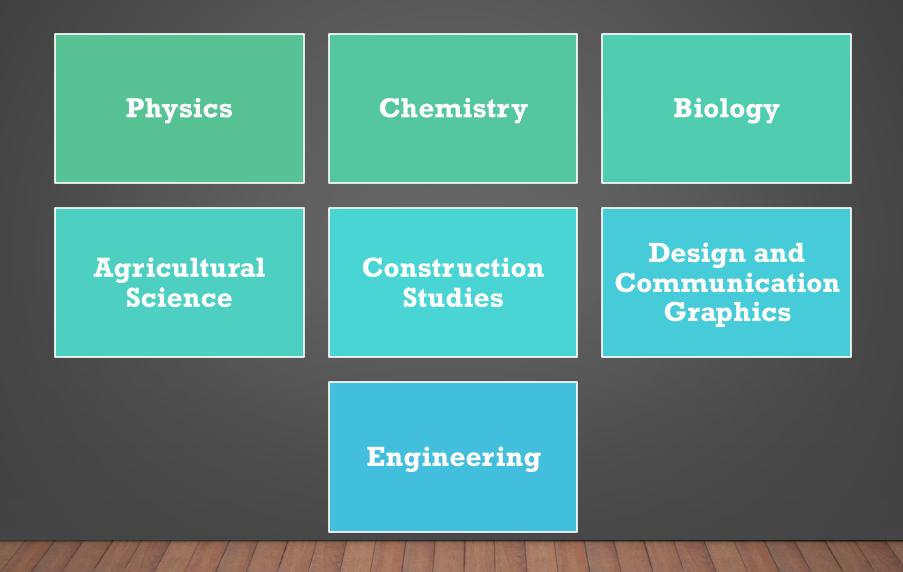
Language & Humanities Group



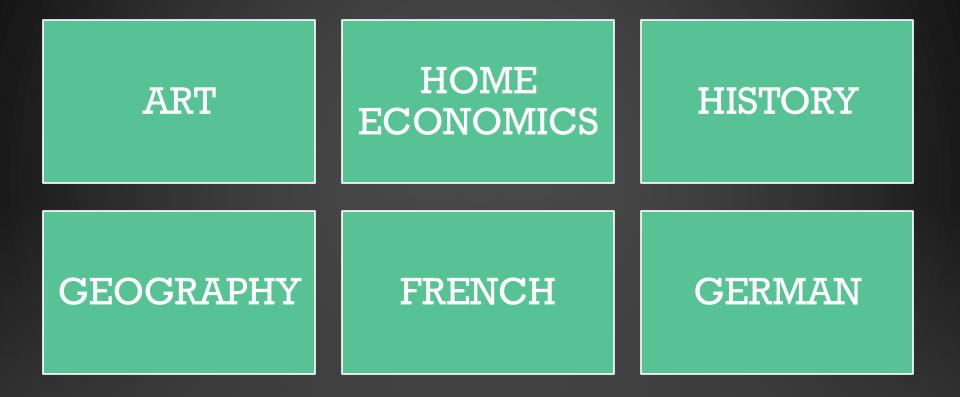
STEM (Science, Technology, Engineering and Maths)



STEM GROUP



LANGUAGE & HUMANITIES GROUP



Business

Accounting

Economics

BUSINESS GROUP

GARBALLY TIMETABLE FOR SEVEN SUBJECTS

1. English

2. IV 2. T-

HOW MANY SUBJECTS?

Ζ

- Maths
 Irish
 ?
 ?
 ?
 ?
 ?
- 7. ?

POINTS CALCULATION

COUNT YOUR BEST 6 FOR CAO

Higher Level Grade	Points	Ordinary Level Grade	Points
н1	100		
Н2	88		
нз	77		
H4	66		
Н5	56	01	56
Н6	46	O2	46
Н7	37	03	37
Н8	0	04	28
		O5	20
		06	12
		07	0
		08	0

LEAVING CERTIFICATE VOCATIONAL PROGRAM

LCVP GRADEPOINTSDISTINCTION66MERIT46PASS28

• MEETS ENTRY REQUIREMENTS

• INCLUDE IN BEST 6

RULES FOR COLLEGE

WHO ARE THE NUI?

LET'S SIMPLIFY THE LANGUAGE

1. National University of Ireland Ollscoil na hÉireann

The National University of Ireland was established by the Irish Universities Act, 1908. It was restructured under the Universities Act, 1997, and now comprises four Constituent Universities, two Recognised Colleges and other Colleges linked with the Constituent Universities.

1.1 NUI Constituent Universities

University College Dublin

University College Cork

National University of Ireland, Galway

Maynooth University

1.2 NUI Recognised Colleges

Institute of Public Administration

Royal College of Surgeons in Ireland

1.3 Colleges linked with the Constituent Universities

Burren College of Art and Design

Institute of Banking

National College of Art and Design, Dublin

St. Angela's College, Sligo

Shannon College of Hotel Management

4.1 Faculty/College of:

Arts

- Human Sciences
- Philosophy
- Celtic Studies
- 🕨 🕹 Law
- Social Science
 - (i) Irish
 - (ii) English
 - (iii) A Third Language accepted for Matriculation Registration purposes
 - (iv), (v), and (vi) Any three subjects accepted for Matriculation purposes not already selected

Commerce

- (i) Irish
- (ii) English
- (iii) Mathematics
- (iv) A Third Language accepted for Matriculation Registration purposes
- (v) and (vi) Any two subjects accepted for Matriculation purposes not already selected

- Agriculture
- Architecture (UCC)
- Engineering
- Food Science and Technology
- Nursing
- Science
 - (i) Irish
 - (ii) English
 - (iii) Mathematics
 - (iv) A Laboratory Science subject* or in some cases a subject from the broader science group of subjects**
 - (v) and (vi) Any two subjects accepted for Matriculation purposes not already selected

- Architecture (UCD)
- Medicine (including Dentistry)
- Veterinary Medicine
 - (i) Irish

*

- (ii) English
- (iii) Mathematics
- (iv) A Third Language accepted for Matriculation Registration purposes
- (v) A Laboratory Science subject*
- (vi) Any other subject accepted for Matriculation purposes not already selected
- The Laboratory Science subjects comprises: Chemistry, Physics, Biology, Physics with Chemistry, Agricultural Science.

RULES FOR COLLEGE

LET'S SIMPLIFY THE LANGUAGE....

WHAT DOES MINIMUM ENTRY REQUIREMENTS MEAN?

MINIMUM ENTRY REQUIREMENTS

TCD – 3 X H5 & 3 X H7/O6

UCD/NUIG/UCC/NUI MAYNOOTH – 2 x H5 & 406/H7 (ALL NUI AFFLIIATED COLLEGES &

CADETSHIP)

UL - 2 x H5 & 406/H7

DCU - 2 x H5 & 406/H7

TUD – 2 X H5 & 406/H7

ALL INSTITUTES OF TECHNOLOGY – 2 X H5 & 406/H7

RULES FOR COLLEGE

WHAT IS THE SIGNIFICANCE OF SUBJECT SPECIFIC REQUIREMENT?

SUBJECT SPECIFIC REQUIREMENT

PRIMARY TEACHING QUALIFICATION – H4 IN IRISH

ENGINEERING IN UNIVERSITY – H4 IN MATHS

COMMERCE IN UCD – O2/H6 IN MATHS

COMMERCE IN NUIG – O6/H7 IN MATHS POST PRIMARY LANGUAGES QUALIFICATION – H3 IN EITHER IRISH OR MODERN LANGUAGE

VETERINARY MEDICINE IN UCD – H5 IN CHEMISTRY

HEALTH SCIENCE WITH PHYSIOTHERAPY IN LETTERKENNY – H5 IN BIOLOGY

IT IS IMPORTANT TO BECOME FAMILIAR WITH CERTAIN CAREER ICT RESOURCES

STARTING WITH QUALIFAX.....

Careersportal.ie - students have there very own career portfolio

curriculumonline.ie



BOOKMARK

THIS CAREER ICT RESOURCE

www.qualifax.ie

Start using now!



QUALIFAX – SEARCH BY SUBJECT

Select Courses To View

There is a total of 203 courses that match your search requirements. Please select one of the options below to view your results.

Show me the courses that:

- O Definitely requires: Subject Biology.- Total of 5 courses
- O May require: Subject Biology. Total of 198 courses
- O Does not require Subject Biology. Total of 1351 courses

View Courses

New Search

Search Criteria: Subject Biology. (Definitely need subject).

Showing 1 to 5 of 5 results

Code	Course	Course Provider
CK405	Genetics	University College Cork
LY846	Health Science with Dietetics Studies	Letterkenny Institute of Technology
LY836	Health Science with Occupational Therapy Studies	Letterkenny Institute of Technology
LY826	Health Science with Physiotherapy Studies	Letterkenny Institute of Technology
TR056	Human Health & Disease	Trinity College Dublin

Reach+ICT	Filter by: Clear All	Found 1808 courses		Sc	ort by Course Tit	
RESOURCE	Course Name or Code	CAO (Higher Education) ×				Print 🛱
		Code Course Title	College	Level Points 2020	QQI Link? Years	
	Example: " ani " will find <u>ani</u> mal and mech <u>ani</u> cal.	TU910 Accounting	TU Dublin - Aungier Street	8 444 🔺	♂ 3-4 Years	*
	☐ My favourites ★	CR400 Accounting	Cork Institute of Technology - CIT	8 316	A Years	*
	Course Type clear	GA181 Accounting	Galway-Mayo Institute of Technology - GMIT	(8) 309 ▲	🔗 3 Years	•
	CAO (Higher Education)	CW948 Accounting	Institute of Technology Carlow	8 300 🔻	oo 3 Years	*
Home Reach Admin Student File						
⑦ Reach ⁺	Search Myssages	Course Summary	ENTRY REQUIRE	MENTS		
Roisin McSharry	Progress Indicator	Language Options	Deinte History		Minimum Subjects	
WELCOME		Entry Requirement	s Points History		3 H5 & 3	3 O6/H7
		QQI / FET Links	✓ O6/H7 IN English OR	latet		
APPS & TOOLS	Career Planning	The Student	✓ O4/H7 IN Maths	INSN		
Career Planning & Research	Self-Assessment	Career Progression				
	Study Performance	Further Research	600 -	CAO Points History		
Self-Assessment	World of Education		550 - 500 - 450 -			
Study Performance	World of Work		400 - 350 - 300 -		316	
World of Education	LCVP		250 - 200 - 150 - 100 - 50 - 0 -			
1//////	///////////////////////////////////////		2008 20 ¹¹ To view Mature Entry require Colleges' website	2014 ments, or alternativ	20'17 20'20 ve requirements, please	e visit Qualifax or the

CAO.IE – POINTS?

2019 Level 8 EOS

ADMISSION DATA 2019 End of Season Level 8 The details given are for general information only and do not form part of any contract. They are not intended for use in determining whether any individual applicant is or is not entitled to an offer of a higher education place * Not all on this points score were offered places # Test / Interview / Portfolio / Audition AQA All qualified applicants

Course Co	ode INSTITUTION and COURSE	EOS	Mid
	Athlone Institute of Technology		
AL801	Software Design with Virtual Reality and Gaming	304	328
AL802	Software Design with Cloud Computing	301	306
AL803	Software Design with Mobile Apps and Connected Devices	309	337
AL805	Network Management and Cloud Infrastructure	329	442
AL810	Quantity Surveying	307	349
AL820	Mechanical and Polymer Engineering	300	358
AL830	General Nursing	410	429
AL832	Psychiatric Nursing	387	403
AL836	Nutrition and Health Science	352	383
AL837	Sports Science with Exercise Physiology	351	392
AL838	Biotechnology	302	372
AL839	Microbiology	322	371
AL840	Pharmaceutical Sciences	328	411
AL841	Athletic and Rehabilitation Therapy	423	430
AL842	Bioveterinary Science	310	366
AL843	Physical Activity and Health Science	310	330
AL850	Business	307	356
AL851	Business and Law	301	341

Senior Cycle			Ped * 922 6 6 Curriculumonine.le C
Accounting	Agricultural Economics	Agricultural Science	Veccept and Clove' or you can fearm more about cooking. Login / Register - About Context: Oljabourd Lengin Gardige curraciam ar líne
Ancient Greek	Applied Mathematics	Arabic	Design and Communication Graphics NCCA Home - Seniar cycle + Solyters + Desgs and Communication Graphics Leaving Certificate design and communication graphics involves comprehending, analysing and communication information presented versality or graphically. Problem solving and creative thinking a kills are developed through the analysis and asolution of problems in both two and three dimensions graphics. Graphics and design are communicated using a variety of media, including computer-aided design (CAD). The main areas of study are: Plane and Descriptive Geometry. Communication of Design and Computer Graphics.
			Design and Communication Graphics is assessed at two levels, Ondinary level and Higher level, by means of two assessment components, a student assignment, of which CAD forms significant and computery element, and an examination paper. Leaving Certificate Design and Communications Leaving Certificate Design and Communications Grap. Graphics – Guidelines for teachers.

CURRICULUMONLINE.IE

THIRD LANGUAGE

- The inclusion of a modern language in the leaving certificate is highly recommended.
- Compulsory requirement for 171 courses in CAO
- Highly beneficial for career development
- Highly desired work skill Identified skills shortage

(National Skills Bulletin 2019)



SUBJECT SPECIFIC



27 courses across the 14 Universities / Affiliated Colleges such as Teacher Training colleges that require higher level Irish (H4 +)....included in this are

Primary Education and Irish as a subject for Post Primary – Undergraduate & Postgraduate

Irish Studies in TCD, NUIG, UL, UCC

Business/Commerce with Irish in NUIG, UCC, NUIM, DCU

Higher Level Maths vs Ordinary Level

- Currently 72 courses in CAO that definitely require higher level
- Currently 1327 courses in CAO accept ordinary or higher level maths
- Currently 212 courses accept Foundation Maths

Engineering Actuary Data Analytics Financial Maths Computer Science Economics & Finance Mathematical Sciences Theoretical Physics Statistics



• Oh yes....25 bonus points!

DESIGN AND COMMUNICATION GRAPHICS (DCG)



grows out of Tech Graphics at JUNIOR CERT



Emphasis on comprehension, analysis and problem solving.



Although it is not an essential subject for either **architecture** or **engineering** it is regarded as a useful asset if you are thinking of a technical, design, construction or engineering course.



Tough to pick up as a new subject



One Written Exam Paper: 60% Student Assignment: 40%

Terminal Exam: 3 hours duration – 240 marks

Student Assignment – CAD

Design brief

- 1. Elements of design
- 2. Communication graphics
- 3. Use of ICT'S in design



2020 Higher Level Brief

PHYSICS

Think logically, observe and understand scientific method.

Science, technology and society (STS) is an integral part of the syllabus.

With STS students can be aware of the principles of the applications of physics in the everyday world.



PHYSICS ASSESSMENT

Written Exam – 400 marks

Section A:

- Students must answer 3 out of 4 questions 120 marks - 30%
- Questions are based on experimental procedures and use of results

Section B:

- Students must answer 5 out of 8 questions
- 280 marks 70%
- Questions are more broad and theory based

Physics students are required to keep a record of their practical work over the two years of the course for inspection purposes by the SEC

ADVICE FROM PHYSICS TEACHER



Good standard of mathematics at Junior Certificate at either higher or ordinary level. Mathematics element in physics mostly made up of formulas. It is repetitious and easily mastered with a good attitude. You should have a curious mind. You need to be neat and organised. Are you the type of person who wonders "how does that work?"

HISTORY

History course was recently revised.

Divided into two distinct fields of study at Irish and European level.

Early Modern (1492-1815) and Late Modern (1815-1993).

Emphasis on both how and why events occurred.

It deals with human-experience and it is often studied out of personal interest.

History develops important skills such as selfdiscipline and critical thinking which are of life-long importance



HISTORY ASSESSMENT

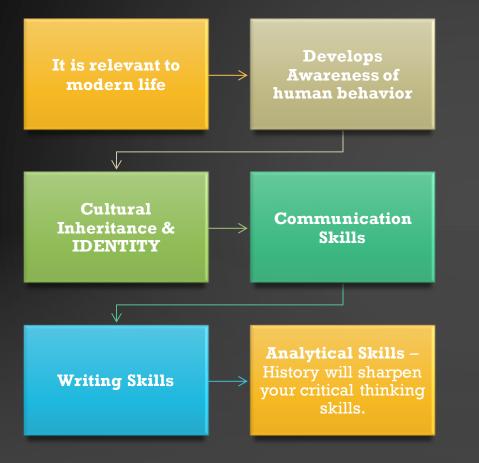
A written examination paper (80%) and A research study report (20%) submitted around Easter before the June exam.

The project is the student's own individual work - 1500 word essay.

Handed in at the end of April before the leaving cert. The average mark is 90% plus.

Pupils will answer the Documents based study and three essays (one from each topic studied).

ADVICE FROM HISTORY TEACHER





ACCOUNTING

Students develop knowledge, understanding and skills in accounting and financial management necessary for managing personal and basic company accounts.

Higher and Ordinary level - Written exam 3hrs duration.

EXAM PAPER

The first two are based on the Financial Accounting. Third covers the Management Accounting section. Questions must be answered from all sections of the exam paper.





ADVICE FROM ACCOUNTING TEACHER



Student must like working with numbers.

Student should have good attention to detail.

Good Time Management.

While not necessary, it is a great help to have studied Business Studies at Junior Certificate.

Persistent temperament is suited.

BUSINESS

Learn the skills and knowledge needed to understand how business works.

Vocationally-oriented 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.



BUSINESS - COURSE OVERVIEW

There are 7 core units covering the following topics:

Introduction to people in business Enterprise Managing 1 Managing 2 Business in action Domestic Environment International Environment.

It assists students to develop their education for adult and working life including the creation of positive attitudes towards self-employment.

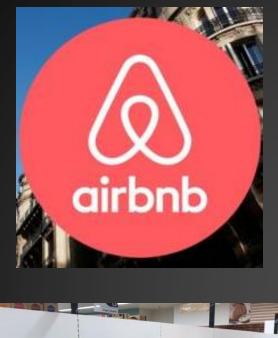
Exam Structure - Higher Level

Higher Level – 1 x 3hr paper (400 marks)

BUSINESS ASSESSMENT

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))





ECONOMICS

- What kind of student does well in Economics...
- Anyone considering a future career in any area of business, journalism, communications or finance.
- Students who enjoyed Junior Cert Business.
- Students who take an interest in politics, current affairs, sociology or psychology.

ECONOMICS – COURSE CONTENT



Demand, supply, equilibrium, utility and elasticity



Costs and market structures



Factors of production



National income and the multiplier



Inflation, money, banking and monetary policy International trade, balance of payments and the euro



Fiscal policy and taxation

2

The Government in the economy (including economic development and growth, population and emigration)

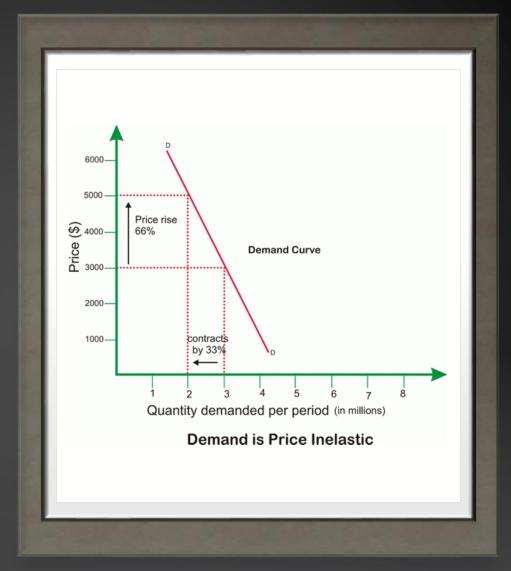
ECONOMICS -ASSESSMENT

One Exam – June of 6th Year

Section A – Short Questions worth 20%

Section B – Extended Questions worth 60&

Research Project – Submitted to SEC for correction 20%



HOME ECONOMICS



Areas covered on the Junior Cert Home Economics course are continued at Leaving Certificate level.

Practical cookery assessed through written exams only

Textile fashion design, social studies, home design and management ELECTIVES

Strong Sociology element

In-depth Study of Nutrition, Resource Management and Consumer Studies

HOME ECONOMICS

ASSESSMENT

Written Exam paper -80%The written examination consists of three sections:

Practical Coursework - 20% This is worth 20% of the final mark;

Submitted in journal form earlier in the Leaving Certificate year.

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)

ART – SUCCESS DEPENDS ON

Enjoy drawing and working creatively with images

Be Resourceful & Independent learner. Ability to research project themes.

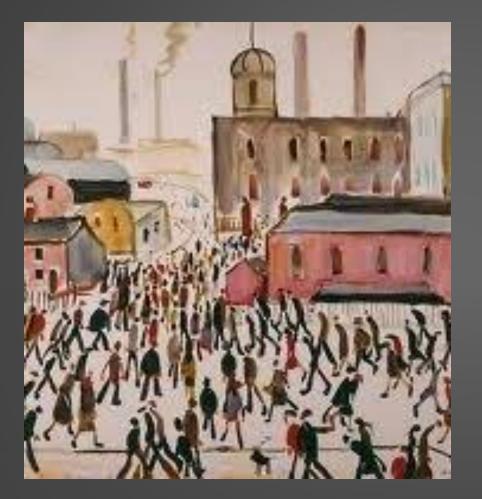
Have an enquiring mind.

To have opinions about Art and Design from the past and present and to be able to express this opinion.









Art History & Appreciation worth 37.5%

DESIGN BRIEF WORTH 50%

LIFE DRAWING WORTH 12.5%



ENGINEERING

Structure of the course involves practical work in the school engineering workshop combined with engineering theory.

Theory Course is called Materials & Technology

- A) Extraction and Production of Metals
- **B)** Structure of Materials
- **C)** Testing of Materials
- **D)** Heat Treatments
- E) Machining
- F) Joining Methods e.g. Welding
- **G)** Mechanisms

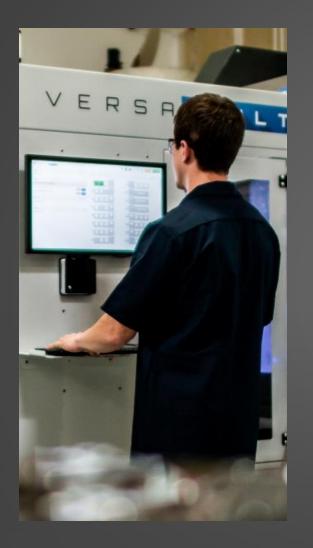
Assessment at Higher Level

- 25% Practical Test Examination lasting 6hrs
- 25% Project Design and fabricate with evidence of work via a written folder
- 50% Theory Examination

Assessment at Ordinary Level

- 30% Practical Test Examination lasting 6hrs
- 30% Project Design and fabricate with evidence of work via a written folder
- 40% Theory Examination

ENGINEERING - ASSESSMENT



ENGINEERING – SUITABLE CANDIDATES

Metal work up to Junior Certificate or Engineering Module completed in TY

Ability to work independently in the engineering workshop

Proactive / Innovative

Interested in how things work

Ability to read drawing / Spatial skills

Health & Safety Conscious

GEOGRAPHY

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, mapreading, and economic activities) in a lot more detail.

TCD accepts geography as a science subject for entry into both the science and pharmacy faculty.

Students must think abstractly and in 3-D





Up to 20% of the final grade is achieved before sitting the actual examination by completing a report on a geographical investigation.

THE SYLLABUS IS DIVIDED INTO 4 MAIN UNITS.

CORE UNIT 1 - PATTERNS AND PROCESSES IN THE PHYSICAL ENVIRONMENT

CORE UNIT 2 - REGIONAL GEOGRAPHY

CORE UNIT 3 - GEOGRAPHICAL INVESTIGATION AND SKILLS

ELECTIVE UNIT 4 - PATTERNS AND PROCESSES IN THE ECONOMIC ENVIRONMENT

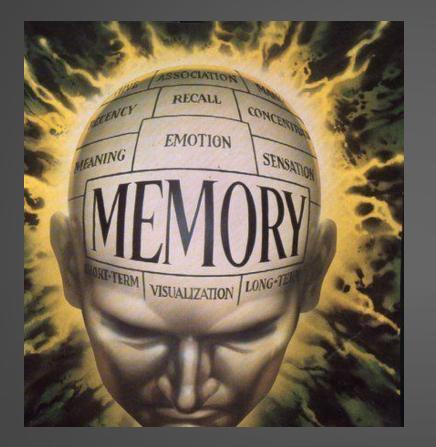
Exam Structure

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

Written Examination (80%)

Geographical Investigation Report (20%)





The scope of biology is wide and varied.

Unit 1 – Ecology

Unit 2 – Molecular Biology & Biotechnology

Unit 3 – Human Physiology, Plant Physiology, Microorganisms

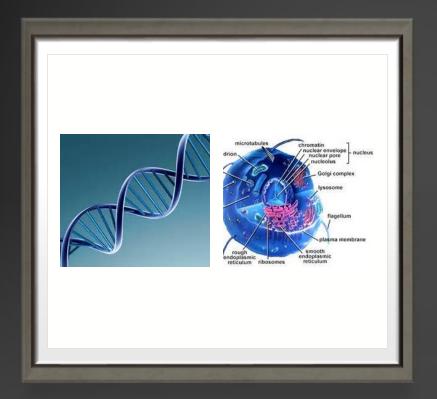
BIOLOGY – UNIT 1 ECOLOGY



• Fieldtrip is mandatory. It covers 4 laboratory experiments out of the 22 mandatory experiments.

- **Occurs in 5th** year
- Usually a woodland visit
- This prepares students for the ecology section in the LC exam
- The fieldtrip is an integrated study of animals, human populations and plants as they coexist.

BIOLOGY UNIT 2



- Genetics & Mutations
- Biotechnology
- Genetic Evolution
- Molecular Biology
- DNA
- RNA
- CELL
- Photosynthesis
- Respiration



Human Physiology

- Cardiovascular
- Endocrine
- Excretory
- Respiratory
- Digestive
- Reproduction

Plant Physiology

UNIT 3

- Reproduction
- Plant Anatomy
- Plant Biochemistry

Micro – Organisms

- Bacteria
- Fungi

BIOLOGY ASSESSMENT

Same Layout for Higher and Ordinary

One Written Exam - 3hrs

Three Sections

A – 5/6 Questions (30mins) _25% of total

B – 2/3 Questions (20 mins) 15% of total

C – 4/6 Questions (120mins) 60% of total A,B,C Format (They mix it up)

The Biology is assessed on knowledge of the full course

CONSTRUCTION STUDIES

Planning and Design Drawings and Documents Site Preliminaries and Foundations Walls, Partitions Floors, Roofs Fireplaces Windows and Doors Stairs Plastering and Painting Plumbing and Heating Services Drainage



CONSTRUCTION STUDIES - ASSESSMENT

Construction Studies is offered at Ordinary and Higher level

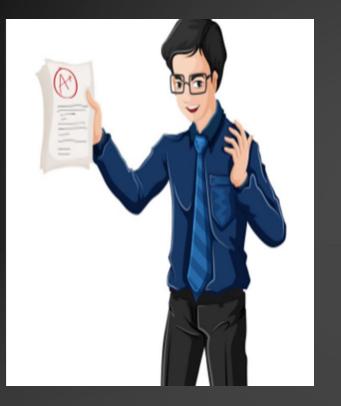
Assessment is made up by:

Written examination – 300 MARKS / 50% (3HRS)

Practical test – 4 HR exam in May (Design & Make) 150marks / 25%

An assessment of student project work - Building Project where the student makes a building detail, a scale model of a building or a craft piece. The student also produces a portfolio to accompany the project that they make. Completed by Christmas. Worth 150 marks / 25%





It is <u>very important</u> the student has studied Woodwork for Junior Certificate

Very difficult to score high in Higher Construction if you don't have woodwork

TOP students have: Good Psychomotor Skills Good Spatial Skills Work Independently Are creative and good at drawing



Leaving Cert Chemistry 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.

Periodic Table of Elements															
1 2 H Britis	3	4	• •	1	8 Motors	•	10	- 11	13	13	-14	18	- 18	12	-
2 LL Bu								8	-						
-	84 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and a state	10.	Mail are	2.1 .2		21 18-	1011.21	411 - 31	64 11 11	-	a.	-		
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CHEMISTRY

 It is recommended that a student undertaking the course has a good understanding of Junior Cert Science.

Each student should have an aptitude and interest for laboratory work.

A student would be expected to have a reasonable level of Junior Cert Math's, either at higher or ordinary level.

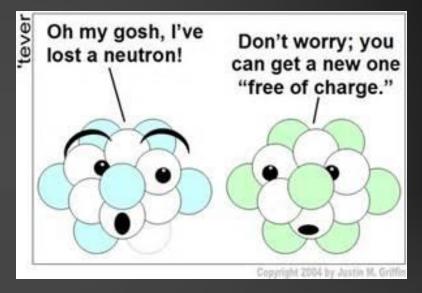
CHEMISTRY EXAM STRUCTURE

The leaving cert exam is 3hrs in duration.

Consisting of two section.

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

Students taking chemistry must memorize the chemical components of a series of prescribed experiments. They will need to present the elements of four such experiments in their exam.



ADVICE FROM CHEMISTRY TEACHER



Upwards of 30 mandatory experiments and plenty of scope for interesting demonstrations by your teacher.

Subject relevant for today's world.

It is also a subject or career that is international and would facilitate travel.

If one is studying any science, engineering or a technology course at third level, chemistry will appear as an exam module.



TEACHER ADVICE

Good Grades - If you work through 5th and 6th year you will achieve a high grade.

Ireland has top pharmaceutical and chemical companies. These employ hundreds of highly qualified Irish graduates in Science and Engineering

Chemistry skills have been identified need in the Irish Economy.

Points requirements to get into Applied Chemistry courses in Institutes of Technology are among the lowest in Science.

AGRICULTURAL SCIENCE

CURRICULUM TOPICS

- 1. Plant Physiology
- 2. Animal Physiology
- 3. Microbiology
- 4. Genetics

Students opting for Biology will study most of this material in their course as well

- 5. Soil Science
- 6. Crop Husbandry (Grassland, Cereals, Root Crops)
- Animal Husbandry (Pigs, Sheep, Cattle) Equine is not included
- 8. Fertilisers (Manures, Environment, Organics, Forestry, Animal Welfare)

AGRICULTURAL SCIENCE

Assessment 400mks Written 75%

Practical 25%

A SEC assessor visits the school in early May during LC year.

They interview a sample of students to determine mastery of the coursework.

25% Practical allocated as follows:

Lab Manual - 11.25%

Project Folder – 8.75%

Plant Identification – 2.5%

Animal Identification – 2.5%



WHAT THE TEACHER SAYS

A farming background can be an advantage but by no means essential

The A student works hard during 5th & 6th year

An aptitude for science is essential

Did you score well in <u>Higher</u> level Science at JC?

Bridging the gap between ordinary science at JC and higher level Agricultural science can be very difficult 2 science subjects required for Medicine (5 year), Dentistry. Chemistry required for Veterinary Science, Dietetics & Public Health Nutrition in TUD, Medicine, Dentistry & Pharmacy in UCC

SUBJECT SPECIFIC

SCIENCE

One laboratory science subject required

for all medical professions....watch out for subject specifics One laboratory science subject required for Nursing

Most Science, Engineering, Pharmaceutical and Dietetics courses require one laboratory science subject

Watch for grade and subject specific requirements also e.g. TCD PHYSIO

IMPORTANCE OF SCIENCE SUBJECT CHOICE

Science	Architecture	Engineering	Occupational Therapy
Medicine	Speech Therapy	Dentistry	Sports Science
Veterinary	Nutrition	Pharmacy	Dietetics
Physiotherapy	Optometry	Radiography	Nursing

ALL SUBJECTS ARE EQUAL

In terms of entry to third level colleges, all subjects count equally in terms of points (maths exception)

> The important thing to remember is to choose subjects that broadly meet the entry requirements to the college faculty.

> > Then choose additional subjects based on interest and evidence of success.

An H1 in a creative or practical is worth the same points as an H1 in a perceived academic subject

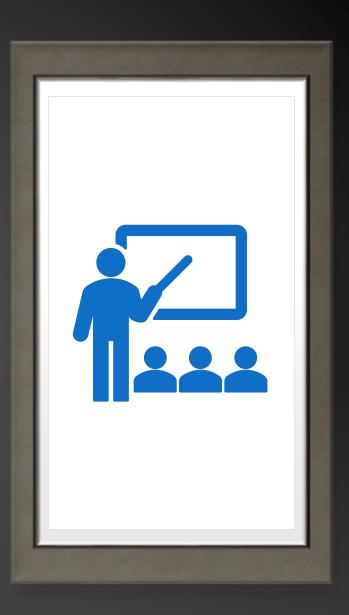
WHY SEVEN SUBJECTS?

CAO (Central Application Office)

Award points based on <u>best SIX</u> <u>subjects</u> in one single sitting.

The 7th subject can be a safety net.

Timetable in Garbally is structured on all students studying 7 subjects





Dropping science can close doors at this stage.

Find out the specific requirements needed for your area of interest.

Consult with your Guidance Counsellor

> Consult as a FAMILY – GUIDE YOUR SON THROUGH THE PROCESS

THINGS TO CONSIDER WHEN CHOOSING

Choose subjects that you ENJOY learning Reflect on your favourite subject at Junior Certificate.....which ones did you enjoy/engage in?

Where did your best grades come from?

If you haven't done the JC yet....where do you consistently pick up good grades during school assessments

Where are you in terms of your career development? Have you any ideas yet?

What learning style do you have?

CAT 4.....How can the results help in subject choice?

COGNITIVE ABILITIES TEST 4

PROBLEM SOLVING EMPHASIS

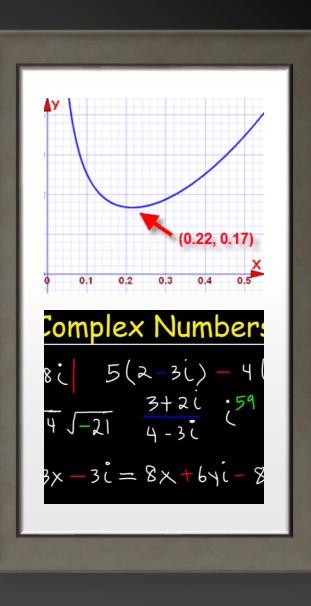
CAT 4 TESTING First Year & TY HOW DOES IT RELATE TO SUBJECT CHOICE IN GARBALLY? SUBJECTS WITH <u>SKILLS EMPHASIS</u> ON <u>VERBAL</u> REASONING

English **History** Languages **Business** Geography **Home Economics Biology** ART **Music**

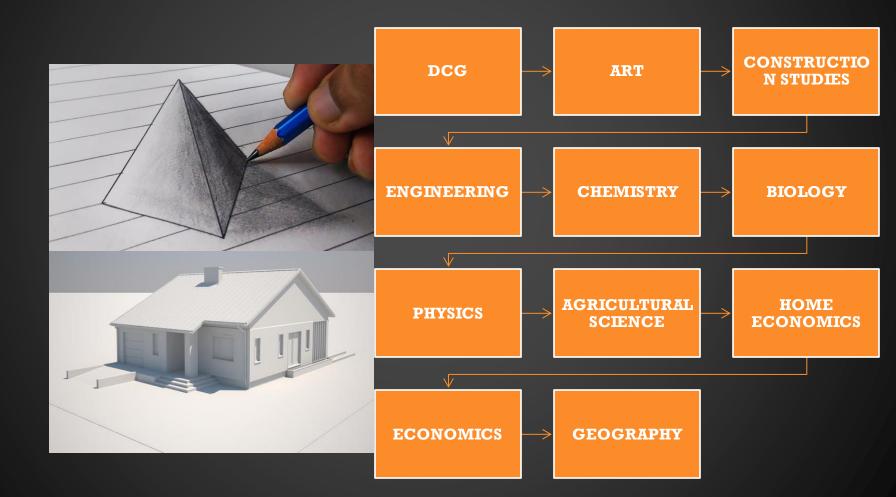


SUBJECTS WITH <u>SKILLS EMPHASIS</u>ON <u>NUMERICAL</u> REASONING

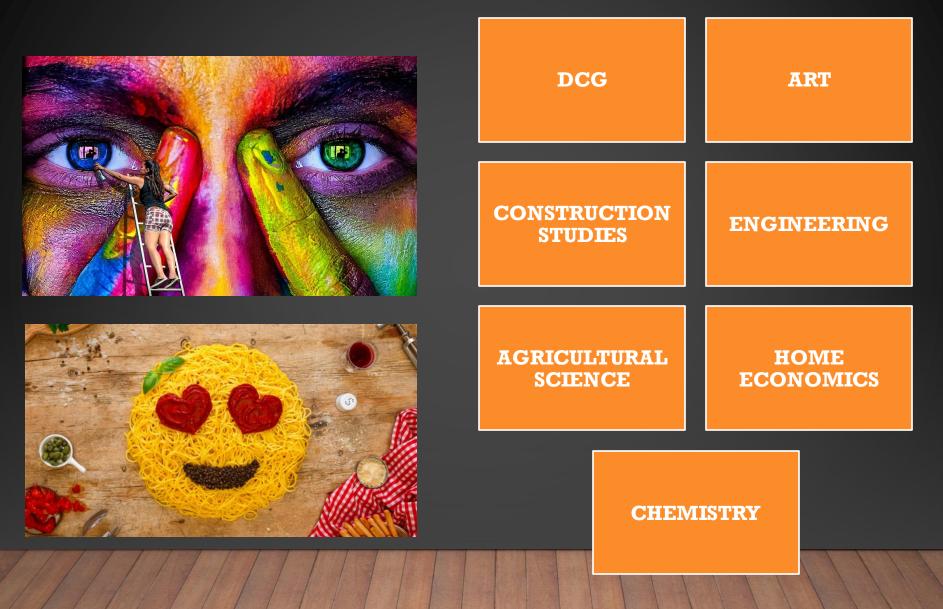
- Math's
- **Physics**
- Chemistry
- **Applied Math's**
- Accounting
- **Economics**
- Engineering
- DCG



SUBJECTS WITH <u>SKILLS EMPHASIS</u> ON <u>SPATIAL</u> REASONING



SUBJECTSWITH <u>SKILLS EMPHASIS</u> ON <u>NON</u> <u>VERBAL</u> REASONING





THINK ABOUT YOUR PREFERRED LEARNING STYLE



THINK BACK TO THE SUBJECTS YOU ENJOYED DURING THE JUNIOR CYCLE



WHICH LEARNING ENVIRONMENTS SUITED YOU?

WHEN CHOOSING...



AUDITORY LEARNER

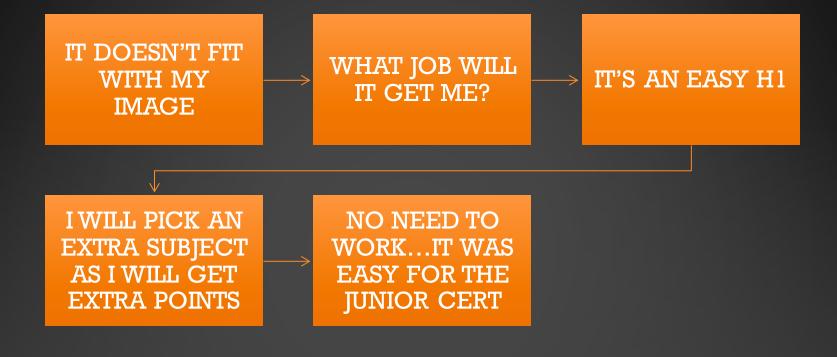
VISUAL LEARNER





KINESTHETIC – LEARN BY DOING

CAT 4 ARE ONLY ONE PART OF JIGSAW ITS NOT YOUR APTITUDE, IT IS YOUR ATTITUDE, THAT HELPS YOU REACH YOUR ALTITUDE



AVOID THESE IDEAS!

AND ESPECIALLY THIS ONE..



 Don't be foolish by dropping your favorite subject.....because someone tells you it is hard to get a HIGH GRADE in it.

✓ Stick to what you enjoy.

Chances are if you follow those subjects you will pick courses in college that you enjoy because you trusted your instinct.



