

SENIOR CYCLE

A vintage light blue bicycle with a wicker basket full of flowers and picnic items, leaning against a large tree in a sunlit field. The scene is peaceful and nostalgic, with warm sunlight filtering through the trees. The bicycle has a rear rack and a front basket. The basket contains a bottle of wine, a small box, and some flowers. A straw hat is leaning against the tree next to the bicycle. The background is a lush green field with tall grass and trees. The overall mood is serene and romantic.

SUBJECT CHOICE 2024

AGENDA

Leaving Certificate

Entry Requirements

Third Language

Higher Irish

Mathematics

Leaving Certificate Subjects

CareerFit Report

Important Career Websites



THE LEAVING CERTIFICATE – QQI LEVEL 5

THE LEAVING CERTIFICATE

SEC ARE THE AWARDING AUTHORITY FOR THIS LEVEL 5

RECOGNISED BY QUALITY & QUALIFICATIONS IRELAND (QQI)

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
- 1. MOTIVATION TO LEARN
- 2. INTEREST
- 3. APPTITUDE
- None of these are fixed....



**LEAVING
CERTIFICATE
SUBJECTS
GROUPS IN
GARBALLY**

**Language & Humanities
Group**

**STEM (Science,
Technology, Engineering
and Maths)**

Business Group

STEM GROUP



Physics



Chemistry



Biology



**Agricultural
Science**



**Construction
Studies**



**Design and
Communication
Graphics**



Engineering



Technology

LANGUAGE & HUMANITIES GROUP



ART



HOME
ECONOMICS



HISTORY



GEOGRAPHY



FRENCH



GERMAN



MUSIC

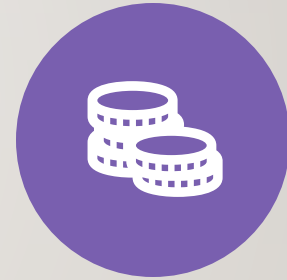
BUSINESS GROUP



BUSINESS



ACCOUNTING



ECONOMICS

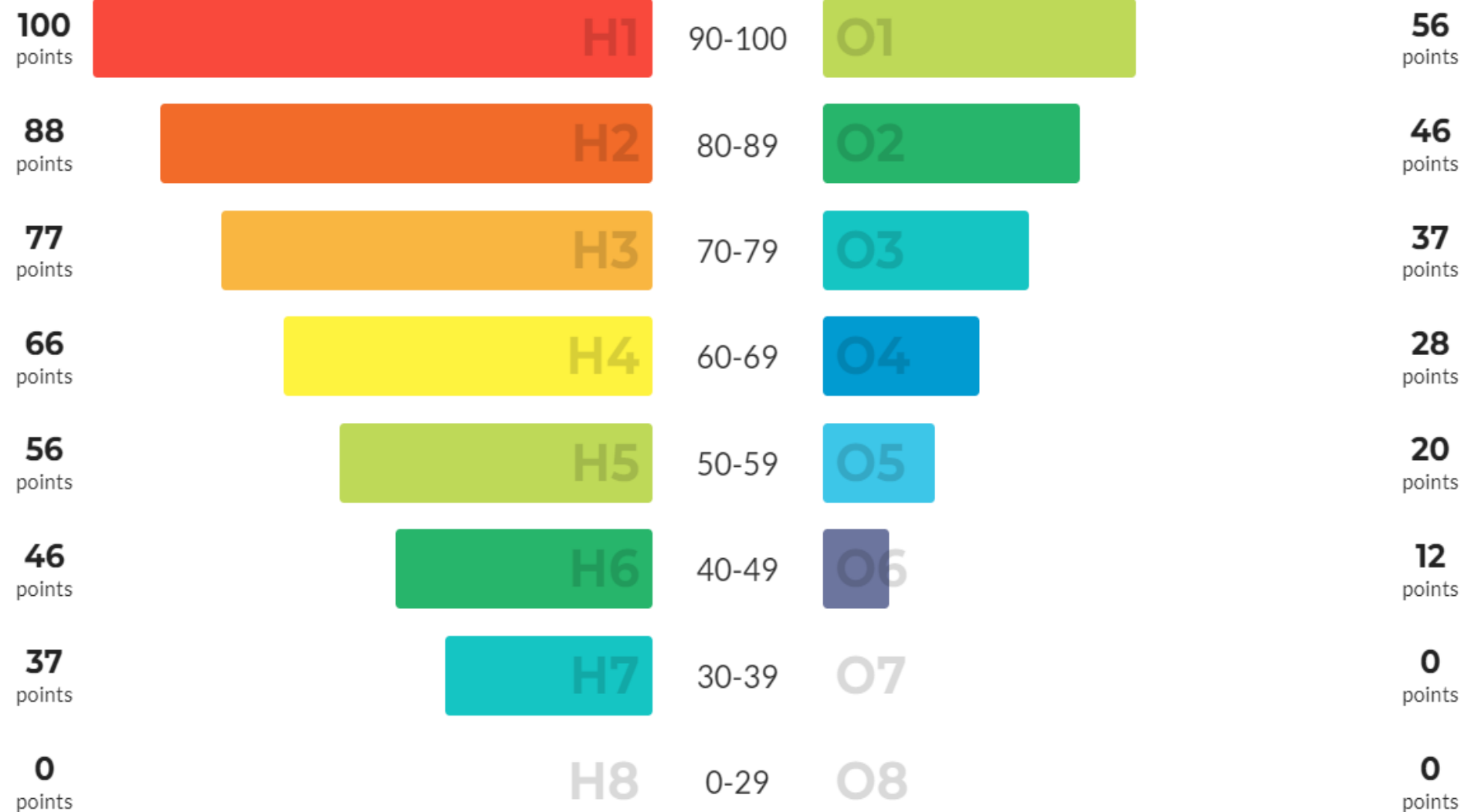
SEVEN SUBJECTS STUDIED FOR THE LEAVING CERT

1. English
2. Maths
3. Irish
4. ?
5. ?
6. ?
7. ?

HIGHER LEVEL

YOUR MARKS

ORDINARY LEVEL



+25 points Bouns Points for H1-H6 Maths.

RULES FOR COLLEGE



LET'S SIMPLIFY THE
LANGUAGE



WHO ARE THE NUI?

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

NUI RULES BY FACULTY

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 Mat
purposes not already selected

NUI RULES BY FACULTY

► *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

NUI RULES BY FACULTY

- ▶ *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

NUI RULES BY FACULTY

- ▶ *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/UG/UCC/NUI MAYNOOTH, &
ALL NUI AFFILIATED COLLEGES &
CADETSHIP – 2 x H5 & 4O6/H7**

**ALL LEVEL 8 HONS DEGREES –
TU's – 2 X H5 & 4O6/H7**

UL & DCU - 2 x H5 & 4O6/H7

RULES FOR COLLEGE



**WHAT IS THE SIGNIFICANCE OF
SUBJECT SPECIFIC REQUIREMENT?**

SUBJECT SPECIFIC REQUIREMENT EXAMPLES

**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**

IMPORTANT ICT RESOURCES

STARTING WITH QUALIFAX.....




Careersportal.ie - students have their very own career portfolio



curriculumonline.ie



Cao.ie

Courses At

Subject Requirements Tool

Planning to make application to the CAO? This tool will help you choose the right subjects and levels at Leaving Cert.

Subject

A Third Language



- ☐ 161 courses definitely require A Third Language
- ☐ 12 courses may require A Third Language
- ☐ 1392 courses do not require A Third Language

Please select one

All courses require A Third Language entry. The CAO will not accept applications without A Third Language in 2024

"A Science Subject, Agricultural Science or Chemistry, is required for entry to the CAO in 2024"

QUALIFAX.IE

BOOKMARK THIS PAGE

Reach+ ICT RESOURCE

Filter by:

Clear All

Course Name or Code

Example: "ani" will find animal and mechanical.

☐ My favourites ★

Course Type

clear

☐ PLC (Further Education)

☒ CAO (Higher Education)

☐ Direct Entry (Higher Education)

Found **1808** courses

Sort by Course Title

Print

CAO (Higher Education) X

	Code	Course Title	College	Level	Points 2020	QQI Link?	Years	
☆	CAO TU910	Accounting	TU Dublin - Aungier Street	8	444 ▲	🔗	3-4 Years	▼
★	CAO CR400	Accounting	Cork Institute of Technology - CIT	8	316	🔗	4 Years	▼
☆	CAO GA181	Accounting	Galway-Mayo Institute of Technology - GMIT	8	309 ▲	🔗	3 Years	▼
★	CAO CW948	Accounting	Institute of Technology Carlow	8	300 ▼	🔗	3 Years	▼

Home Reach Admin Student File

Reach+



Search



Messages

Roisin McSharry

WELCOME

APPS & TOOLS

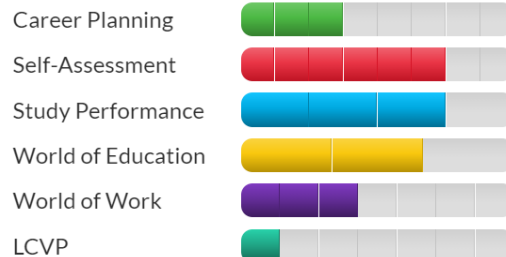
Career Planning & Research

Self-Assessment

Study Performance

World of Education

Progress Indicator



Course Summary

Language Options

Entry Requirements

QQI / FET Links

The Student

Career Progression

Further Research

ENTRY REQUIREMENTS

Points History

316

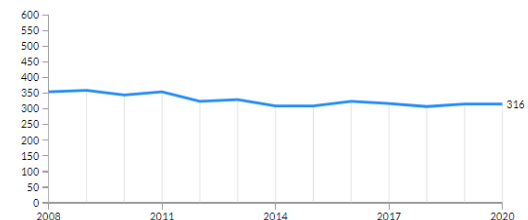
Minimum Subjects

3 H5 & 3 O6/H7

✓ O6/H7 IN English OR Irish

✓ O4/H7 IN Maths

CAO Points History



To view Mature Entry requirements, or alternative requirements, please visit [Qualifax](#) or the [Colleges' website](#)

CAO

Home

★ My Application

Apply

Courses

Handbook

Contact

Wednesday, 21 February 2024 14:55

As Gaelige | Print Page

Search...



Contact a HEI

Downloads

Mature Applicants

QQI FET Applicants

Advanced Entry

Entry to Medicine

Media and Statistics

The Central Applications Office processes applications for undergraduate courses in Irish Higher Education Institutions (HEIs). Decisions on admissions to undergraduate courses are made by the HEIs who instruct CAO to make offers to successful candidates.



Change of Course Choices facility (€10 fee) closes 1st March at 17:00.



Applicants

Parents /
Guardians

Guidance / Schools

Access Routes
DARE / HEAR

Further Education
and Training
& Apprenticeship

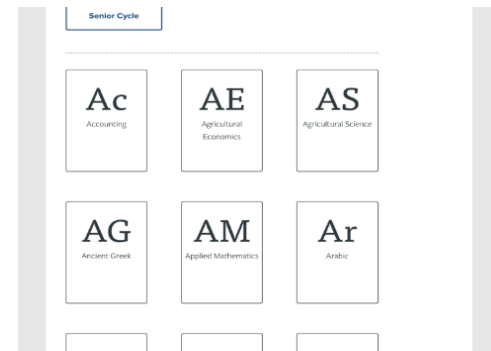
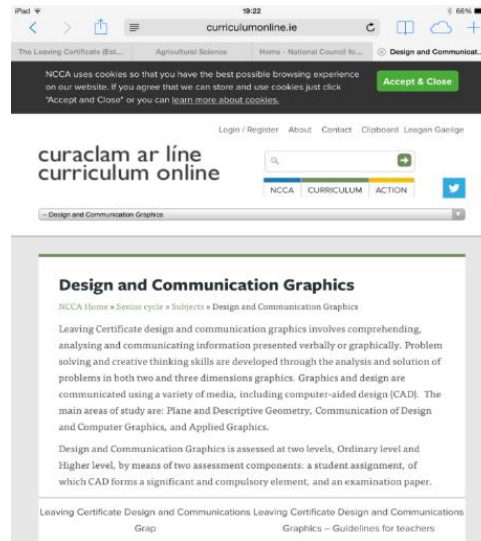
Open Days

Have a question?

Important Dates

CAO.IE

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 2023)

More €€€€€€'s in your pay-check



HIGHER

IRISH

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

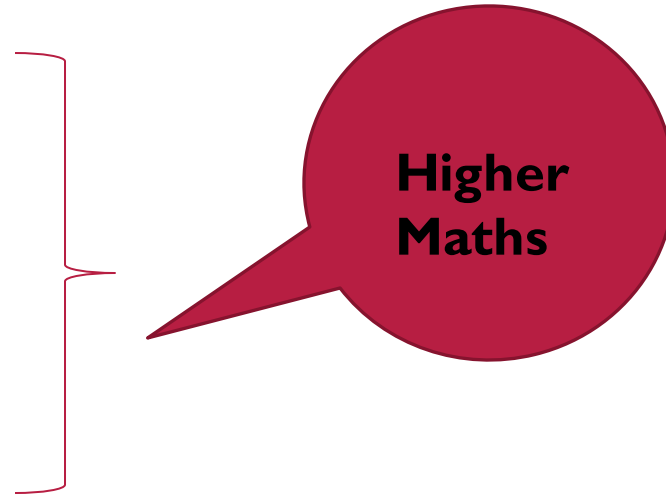
Higher Level Maths vs Ordinary Level

Currently 72 courses in CAO definitely require higher level

Currently 1327 courses in CAO accept ordinary or higher 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!



LETS LOOK AT THE SUBJECTS

DESIGN AND COMMUNICATION GRAPHICS (DCG)

grows out of Graphics at JUNIOR CYCLE

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.

Can be tough for some to pick up as a new subject in 5th year



DCG

Artistic and Creative Group

In summary

DCG involves developing a student's comprehension and ability in relation to the **design** and **analysis** of both **2-Dimensional** and **3-Dimensional graphics**.

It is a natural follow-on from *Graphics* in Junior Cycle.

The graphics and designs are communicated by the student using-

- **Freehand Sketching Skills**
- **Traditional Draughting Equipment**
- **Computer-aided Design (CAD)**

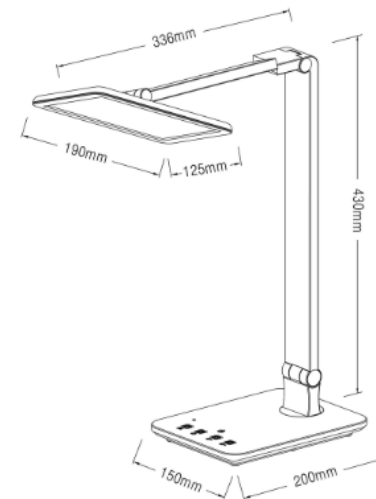


DCG - ASSESSMENT

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

Terminal Exam: 3 hours
duration – 240 marks

Student Assignment



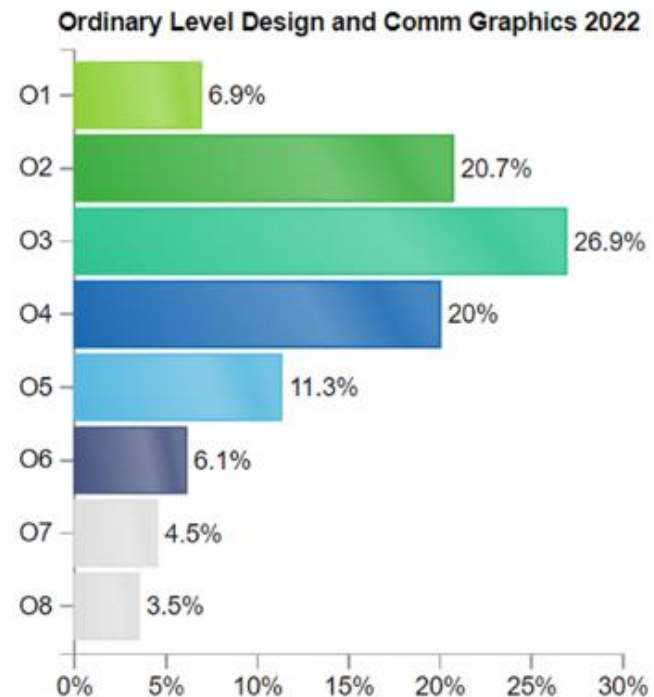
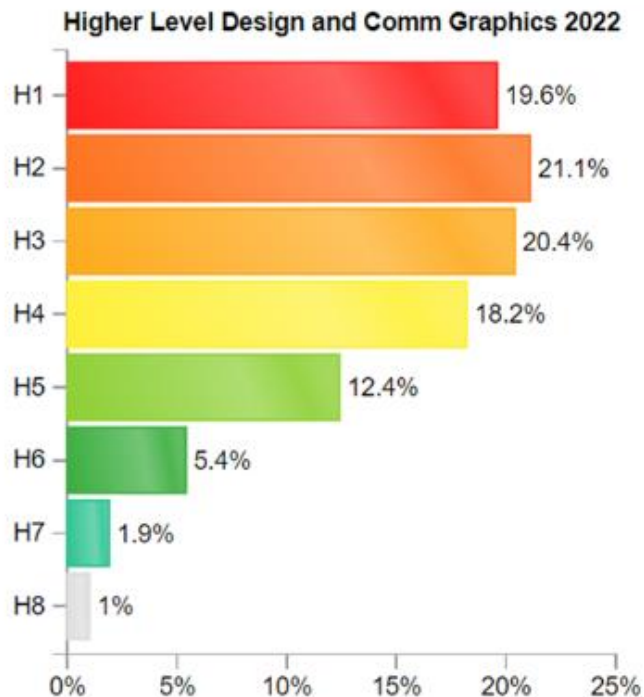
2024 DESIGN BRIEF



DCG

Artistic and Creative Group

Sample Marks Distribution



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.





In summary

Physics is the study of the **laws and forces** that govern natural phenomena.

It is a natural follow-on from *Science* in Junior Cycle. A **minimum of 24 experiments** are carried out over the duration of the course. The key elements of the course include-

Optics / Waves: Study of Light and Sound.

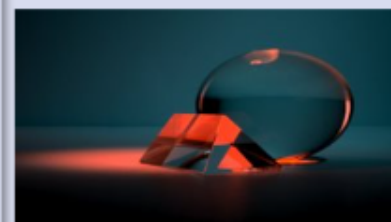
Mechanics: Time, Space, Distance, Speed and Acceleration.

Heat: Changes of State and Energy Conversions

Electricity: More detailed concepts of Circuits.

Electricity and Magnetism: Gravity, Electricity and Magnetism, Motors, AC/DC Circuits.

Atomic Physics: Cathode rays, X-rays, Radioactive Decay, Fission and Fusion, Nuclear Reactors.





Who should study it?

- Students who have an **aptitude for logical thinking** and can express their thoughts **accurately** and in a **concise manner**.
- Students who are planning to study **Engineering, Electrical, Optometry** or **Medicine/Dentistry** in college.
- Students who have an **inquisitive mind** and **wonder how and why**.

Career Interest type most suited

Investigative



"The study of Gravity, Speed, Sound, light, movement. The fundamentals of how things work"

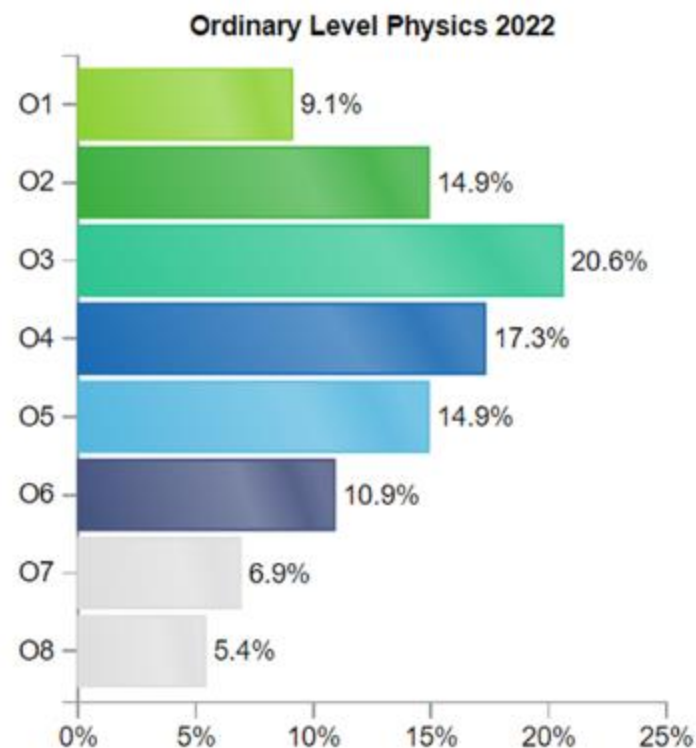
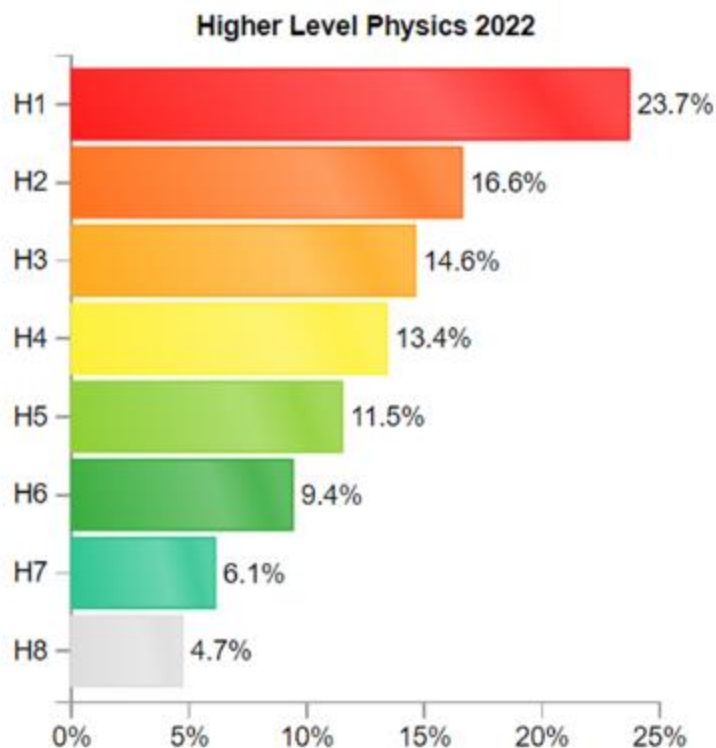


Exam Structure

Assessment Methods		Higher Level	Ordinary Level
	Written Paper	100% of marks	100% of marks
	Practical	-	-
	Project	-	-
	Oral	-	-
	Aural	-	-
	Performance	-	-



Sample Marks Distribution





ADVICE FROM PHYSICS TEACHER

- Good standard of mathematics at Junior Cycle
- 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

Divided into two distinct fields: IRISH & EUROPEAN

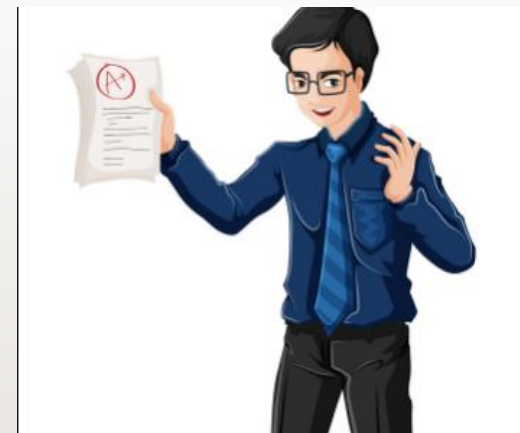
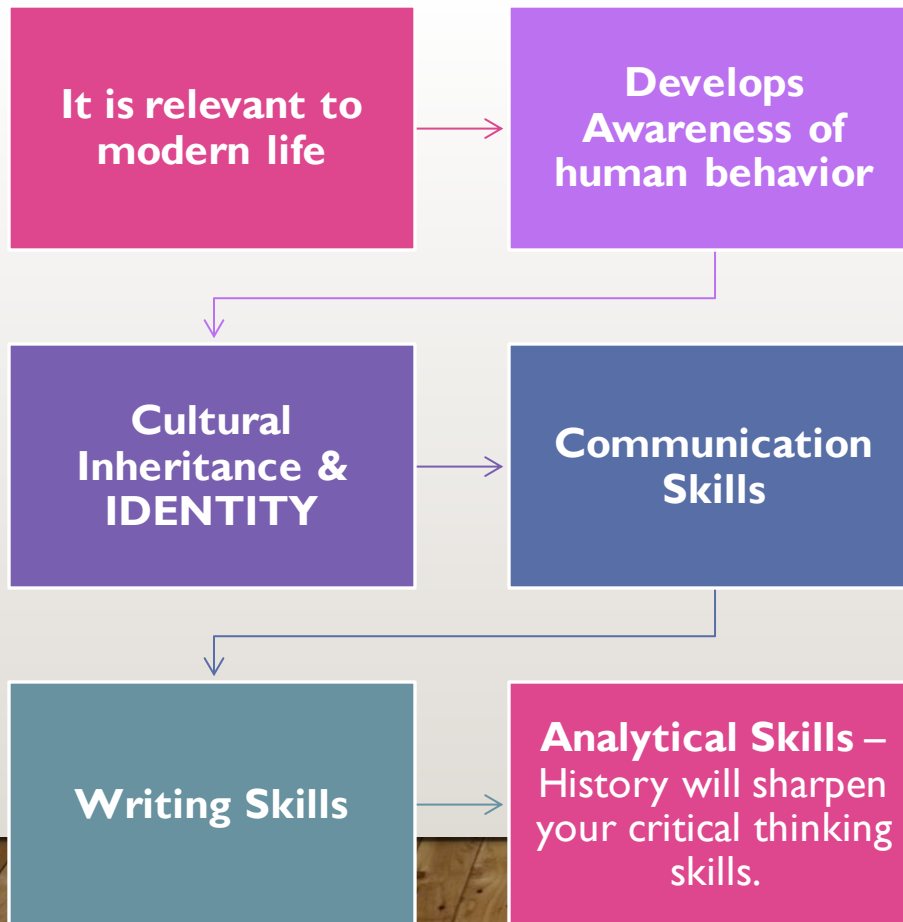
Early Modern (1492-1815) and Late Modern (1815-1993) CHOOSE ONE

Emphasis on both how and why events occurred.

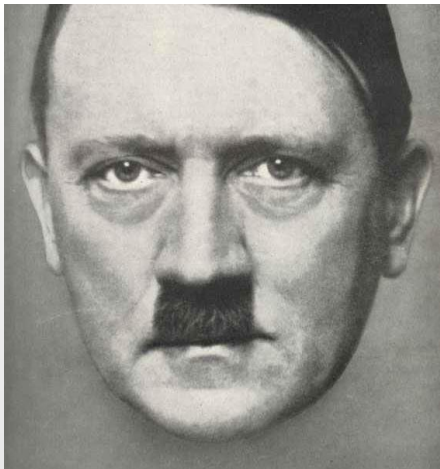
It deals with human-experience and it is often studied out of personal interest.

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

ADVICE FROM HISTORY TEACHER



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).

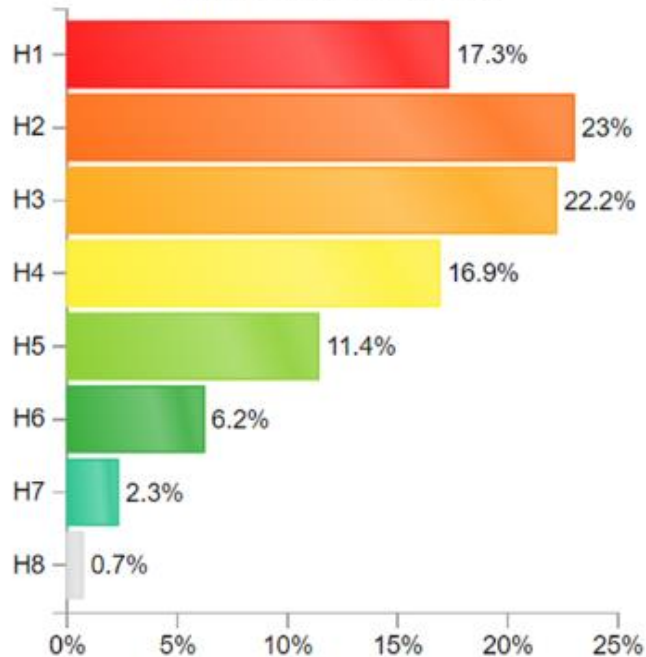


History

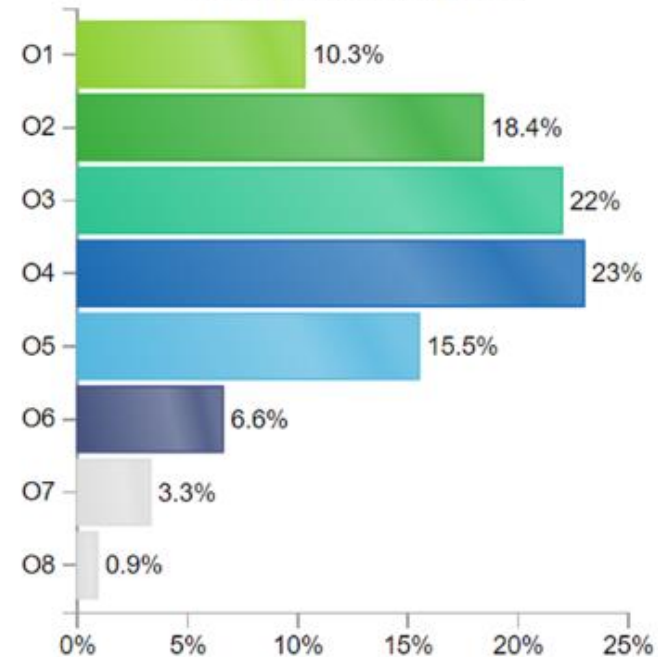
Humanities
Group

Sample Marks Distribution

Higher Level History 2022



Ordinary Level History 2022





In Summary

Accounting provides students with the knowledge, understanding and skills of **financial management** necessary for managing **personal and basic company accounts**.

Business Studies in Junior Cycle provides a good foundation for Leaving Certificate Accounting.

The key elements of the Accounting course include-

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





Accounting

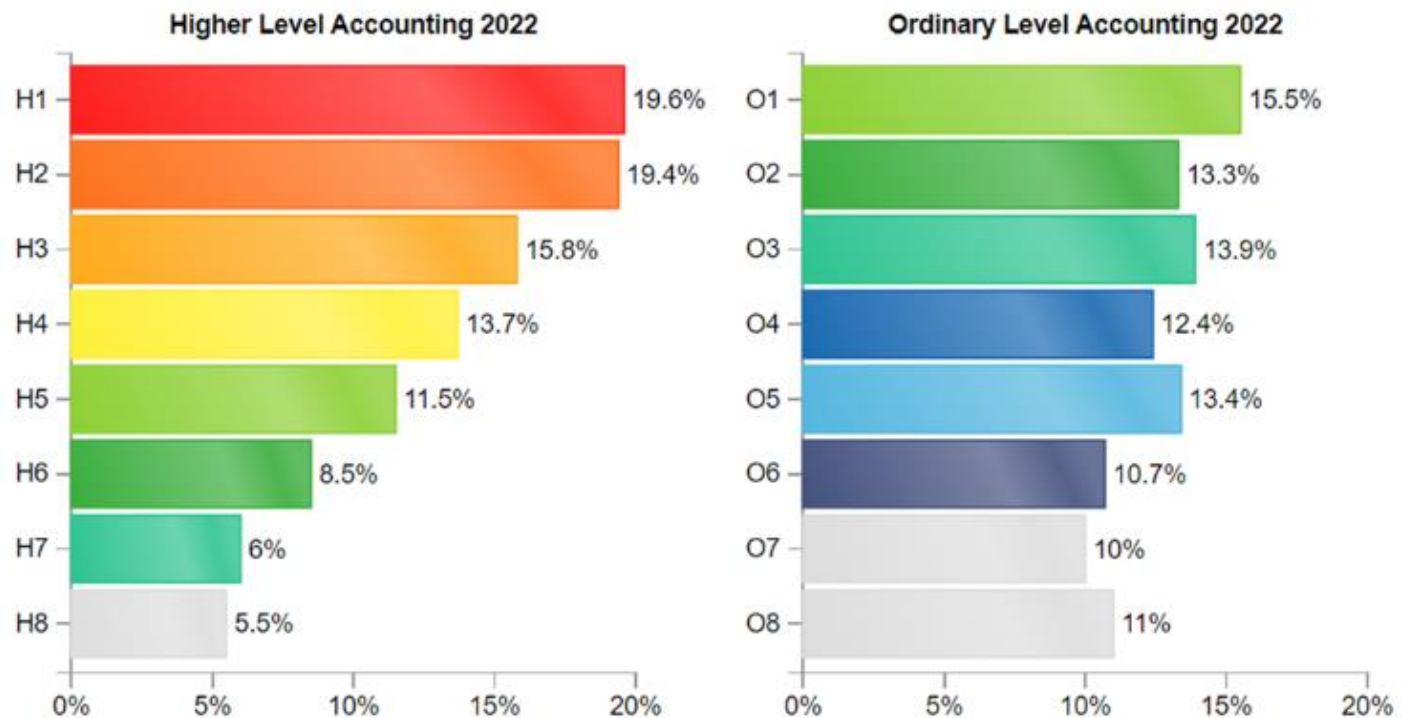
Business Group

Exam Structure

Assessment Methods		Higher Level	Ordinary Level
	Written Paper	100% of Marks	100% of Marks
	Practical	-	-
	Project		
	Oral	-	-
	Aural	-	-
	Performance	-	-



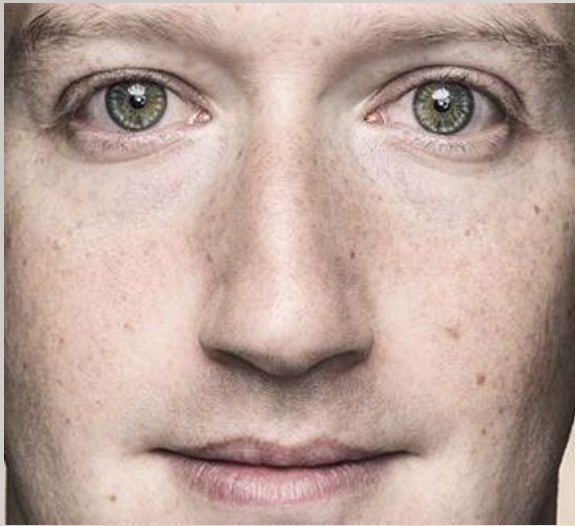
Sample Marks Distribution





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.





In Summary

Business is a **broad subject** and provides students with a learning foundation for a wide range of careers in **Business, Marketing, Law, Enterprise and Management**.

Business Studies in Junior Cycle provides a good foundation for Leaving Certificate Business. There are **7 core units** of learning in the course-

- **Introduction to People in Business**
- **Enterprise**
- **Managing**
- **Business in Action**
- **Domestic Environment**
- **International Environment**





Business

Business Group

Who should Study it?

- Students who like to **stay alert** to what is happening in the **general business world**
- Students who have an **organised mind** and likes to answer questions in **bullet points**, rather than in long essay format.
- Students who might want to **run their own business** in the future.

Career interest area most suited

Enterprising



"For those who have an interest in business and current affairs and have an up to date knowledge of the economic environment"

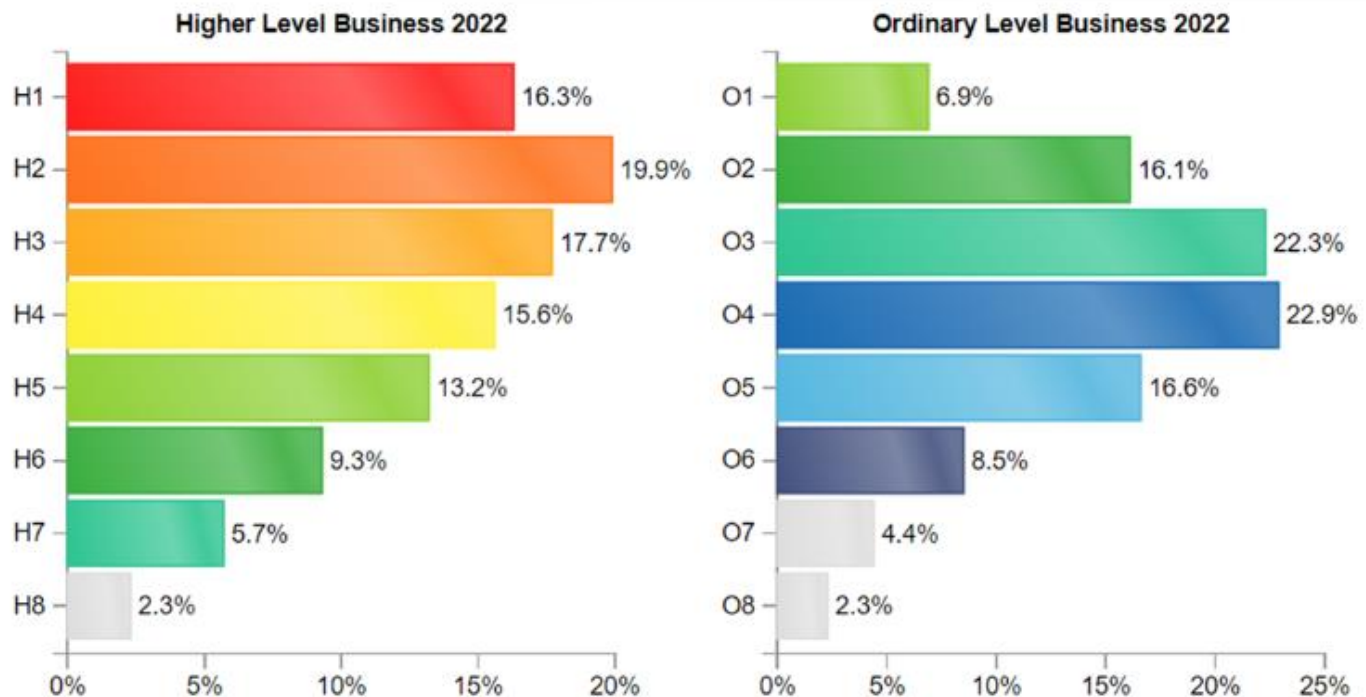


Exam Structure

Assessment Methods		Higher Level	Ordinary Level
	Written Paper	100% of Marks	100% of Marks
	Practical	-	-
	Project	-	-
	Oral	-	-
	Aural	-	-
	Performance	-	-



Sample Marks Distribution





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 Cycle Business.
- Students who take an interest in politics, current affairs, sociology or psychology.





In Summary

Economics provides students with the knowledge and skills necessary for understanding **how the Irish and global economies function.**

Business Studies in Junior Cycle provides a good foundation for Leaving Certificate Economics.

The key elements of the Economics course include-

- **Supply & Demand**
- **Costs and Market Structures**
- **National Income and the Multiplier**
- **Inflation, Money, Banking and Monetary Policy**
- **International Trade, Balance of Payments and the Euro**
- **The Government, Fiscal policy and Taxation**



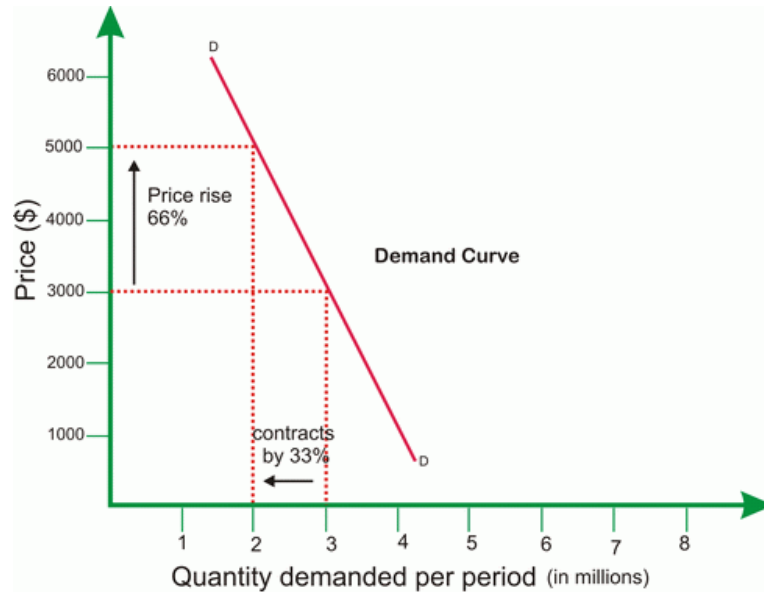
ASSESSMENT

- Exam & Project

- Section A – Short Questions worth 20%

- Section B – Extended Questions worth 60%

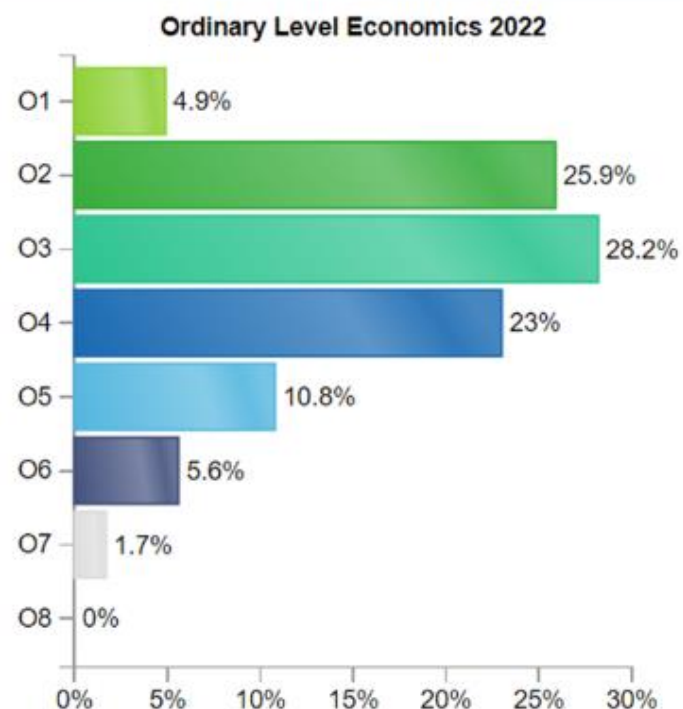
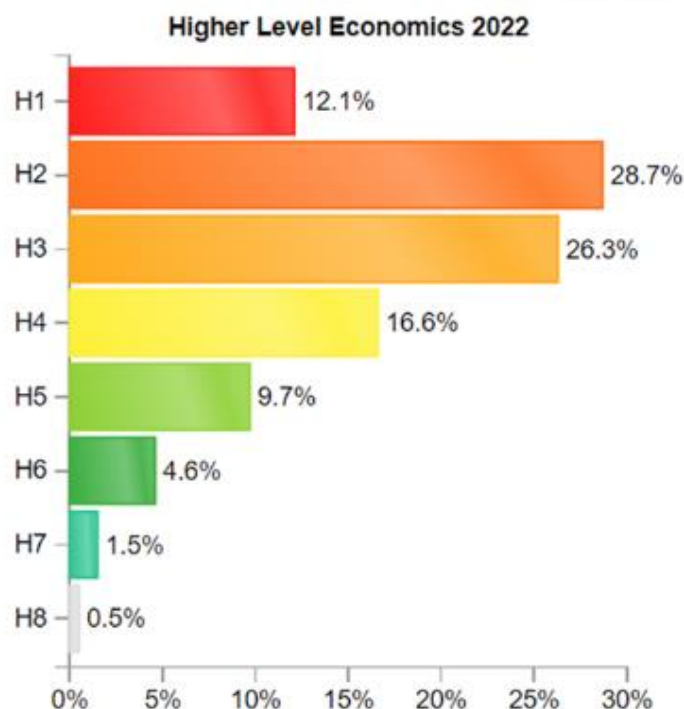
- Research Project – Submitted to SEC for correction 20%



Demand is Price Inelastic



Sample Marks Distribution



HOME ECONOMICS



Areas covered on the Junior Cycle course are continued at Leaving Certificate level.



Practical cookery assessed through written exams only



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



Strong **Sociology** element



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



COURSE CONTENT

- **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%



Home Economics

Social
Group

Exam Structure

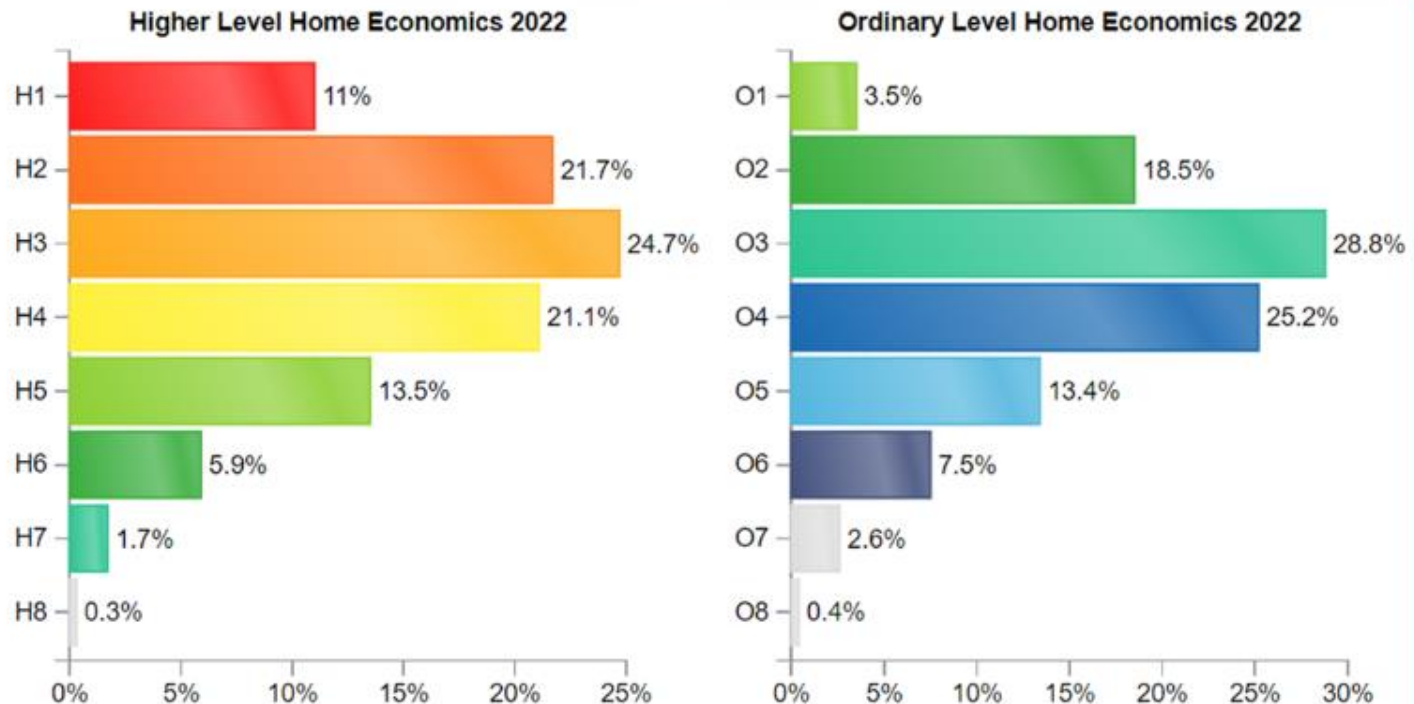
Assessment Methods		Higher Level	Ordinary Level
	Written Paper	80% of marks	80% of marks
	Practical	-	-
	Project	20% of marks	20% of marks
	Oral	-	-
	Aural	-	-
	Performance	-	-



Home Economics

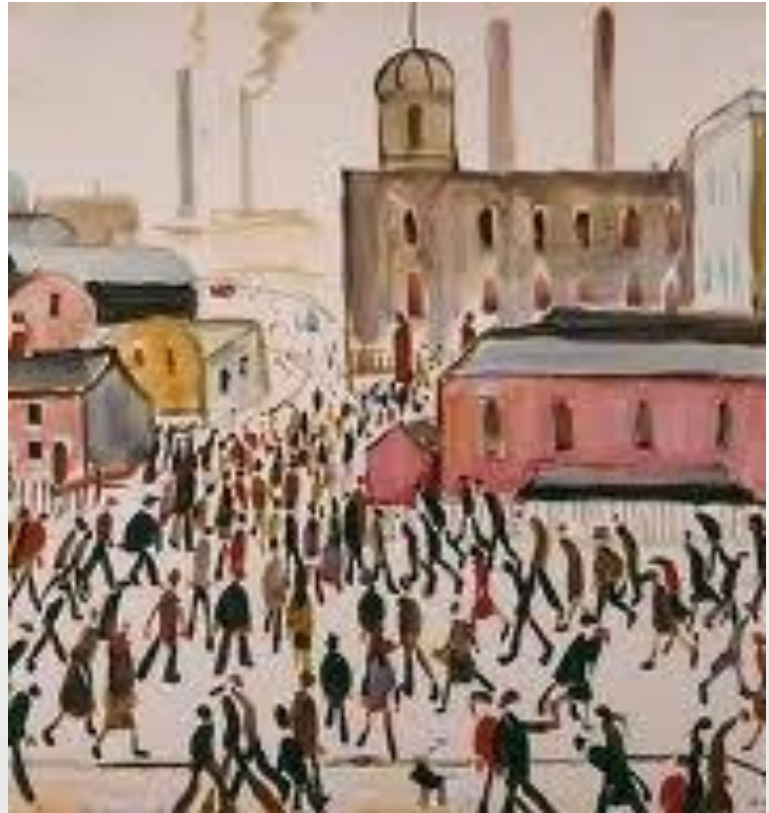
Social
Group

Sample Marks Distribution



ART COURSE

- **ART HISTORY & APPRECIATION 30%**
- **DESIGN BRIEFWORTH 50%**
- **PRACTICAL EXAM 20%**





Art

Artistic and Creative Group

In summary

Art involves developing a student's ability in a range of artistic **techniques, fields** and **disciplines**, as well as the study of **Art History**.

It is a natural follow-on from *Art* in Junior Cycle.

The subject deals with many aspects of the artistic process including-

- **Drawing, Painting and Calligraphy**
- **Sculpture, Metalwork and Pottery**
- **Puppet-making and Embroidery**



THE ART STUDENT

- **Enjoys drawing and working creatively with images**
- **Is Resourceful & Independent. Has the ability to research project themes.**
- **Has an enquiring mind.**
- **Has opinions about Art and Design from the past and present and to be able to express this opinion.**

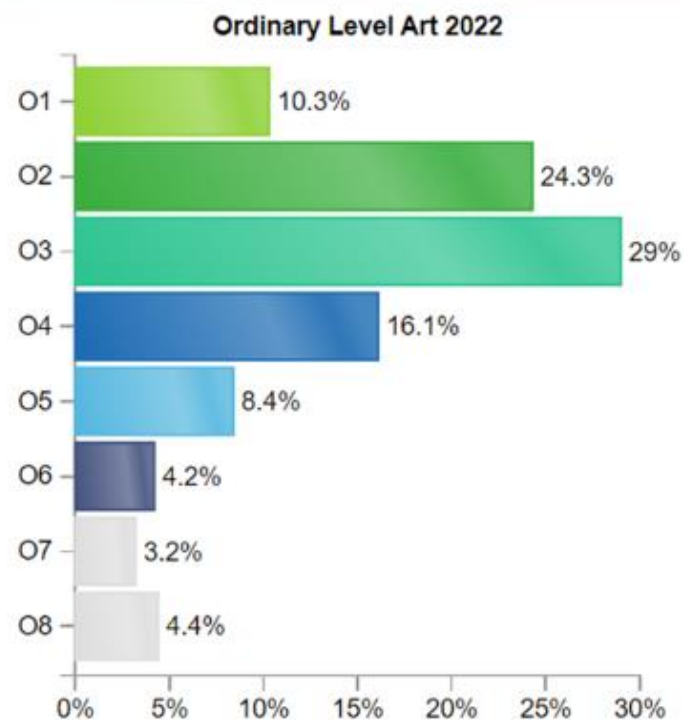
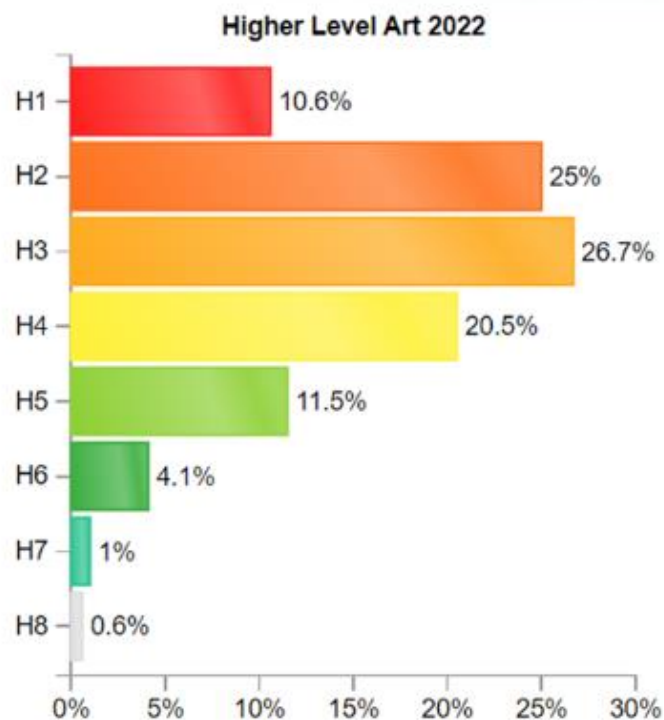




Art

Artistic and Creative Group

Sample Marks Distribution



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**



Engineering

Practical
Group

How this subject is examined for the Leaving Certificate

Assessment Methods		Higher Level	Ordinary Level
	Written Paper	50% of marks	40% of marks
	Practical	25% of marks	30% of marks
	Project	25% of marks	30% of marks
	Oral	-	-
	Aural	-	-
	Performance	-	-

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**

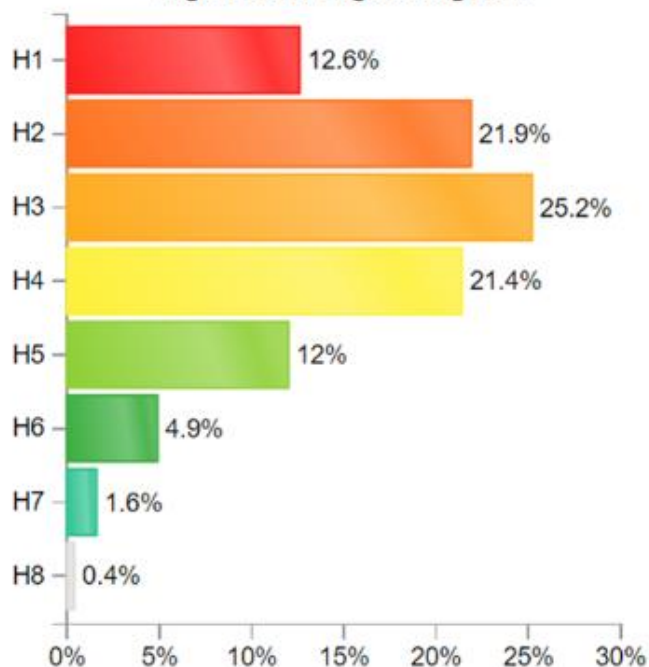


Engineering

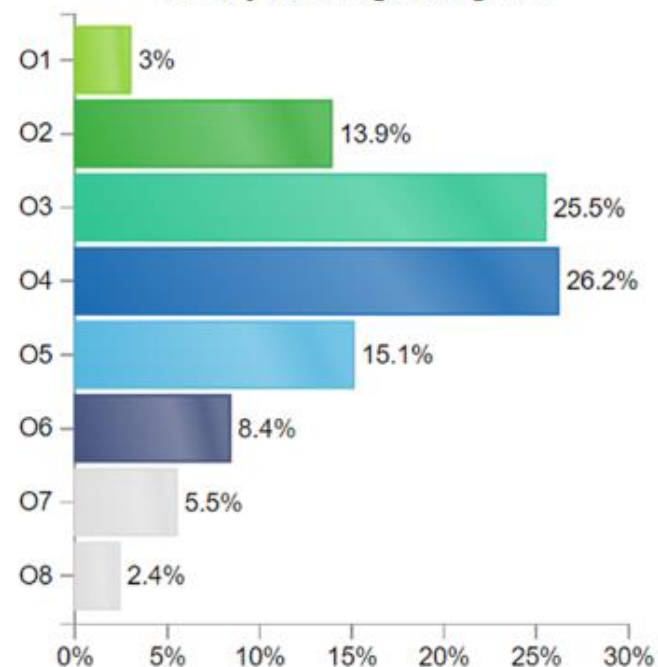
Practical
Group

Distribution of Grades

Higher Level Engineering 2022



Ordinary Level Engineering 2022





In summary

Geography is the study of both the **physical properties of Earth's surface** and the **relationship between human societies and their environments**.

Leaving Certificate Geography is very closely related to *Geography* in Junior Cycle.

The main elements of the course are-

Patterns and processes in the Physical Environment: Tectonic cycle, Rock cycle and Landform development

Regional geography: How Economic, Human and Physical processes interact in regional settings

Geographical investigation and skills:

Development of skills during a geographical investigation





Geography

Social
Group

Why Study it?

- Students who are inquisitive and like to **make sense of the world around them**.
- Students who like to **understand how our environment developed** and **how human activities affect this**.
- Students who have an **aptitude for abstract thinking** and understand the **bigger picture**.

Career Interest type most suited

Social



"The study of people and the physical world environment that we live in and the interaction between the two"



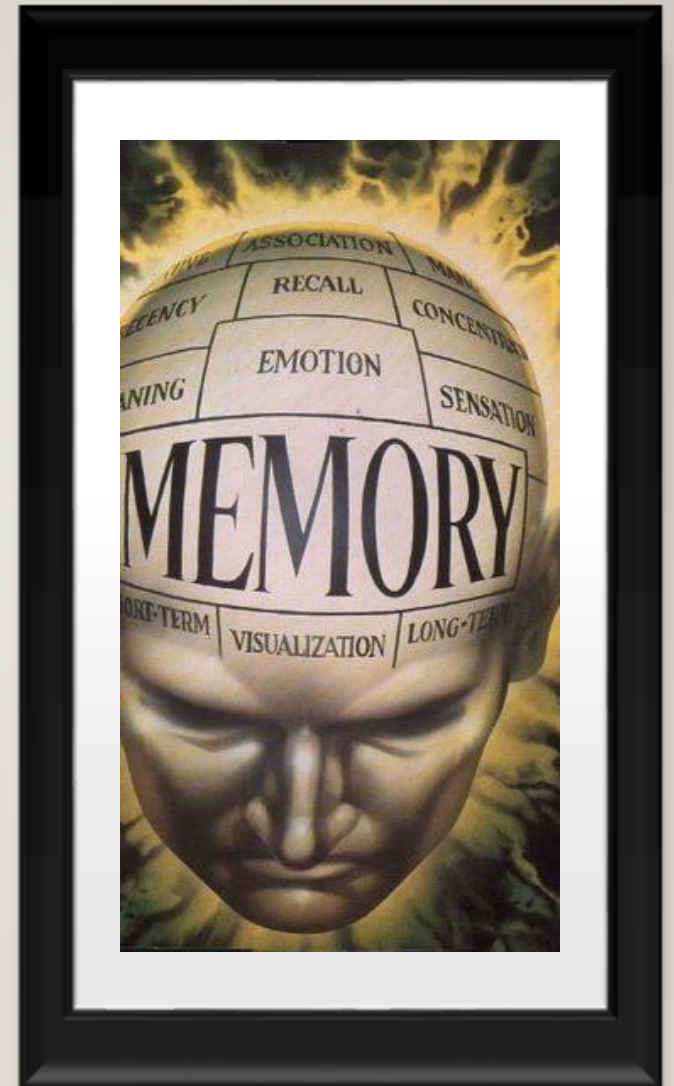
Exam Structure

Assessment Methods		Higher Level	Ordinary Level
	Written Paper	80% of Marks	80% of Marks
	Practical	-	-
	Project	20% of Marks	20% of Marks
	Oral	-	-
	Aural	-	-
	Performance	-	-

BIOLOGY

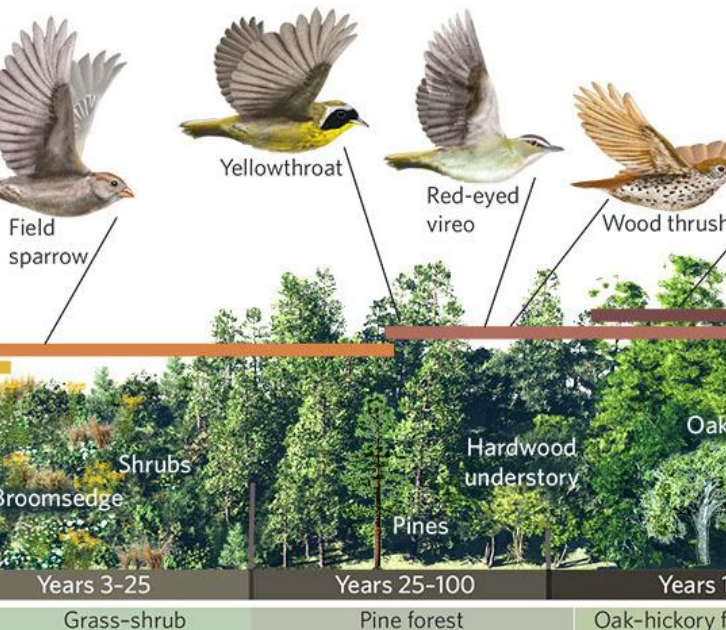
The scope of biology is wide and varied.

- **Unit 1 – Ecology**
- **Unit 2 – Molecular Biology & Biotechnology**
- **Unit 3 – Human Physiology, Plant Physiology, Micro-organisms**



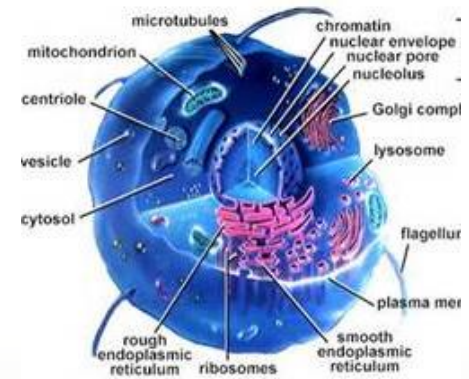
BIOLOGY – UNIT I ECOLOGY

- 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 – MOLECULAR BIOLOGY

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



UNIT 3 - PHYSIOLOGY

Human Physiology

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

Plant Physiology

- Reproduction
- Plant Anatomy
- Plant Biochemistry

Micro – Organisms

- Bacteria
- Fungi



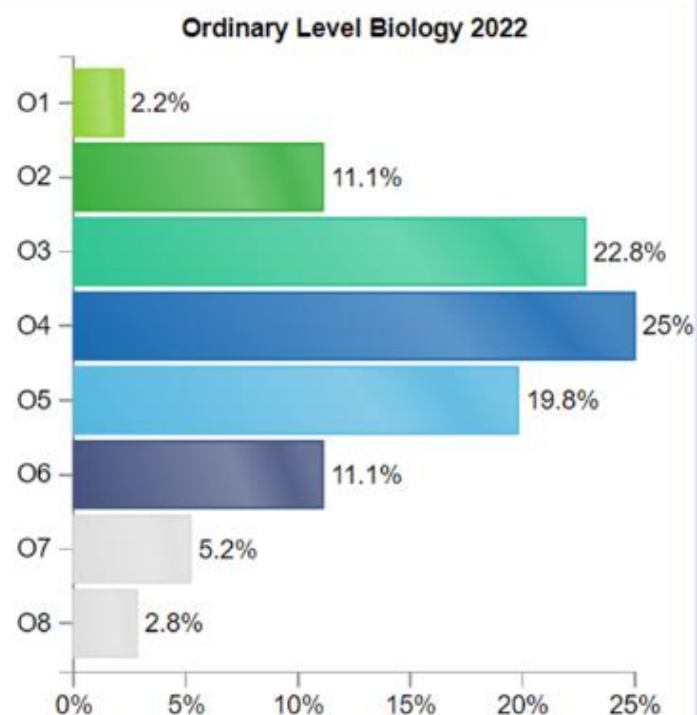
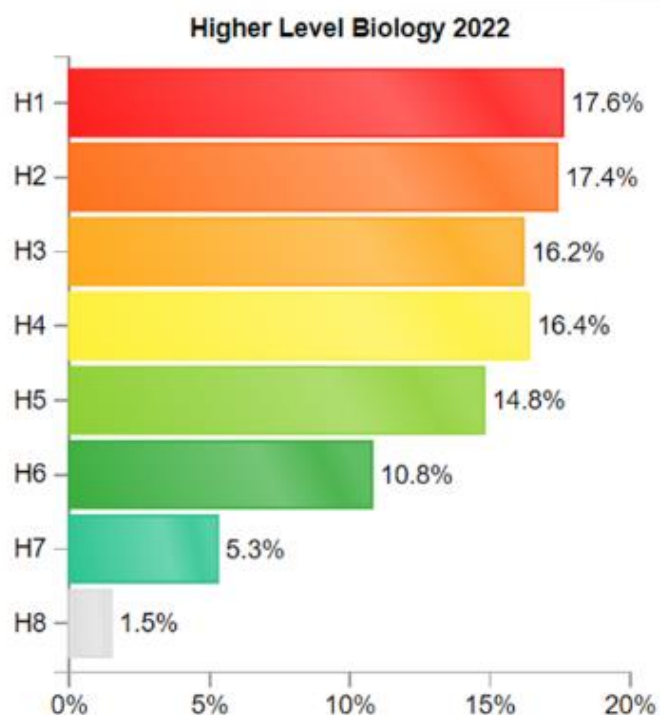


Exam Structure

Assessment Methods		Higher Level	Ordinary Level
	Written Paper	100% of marks	100% of marks
	Practical	-	-
	Project	-	-
	Oral	-	-
	Aural	-	-
	Performance	-	-



Sample Marks Distribution





Construction Studies

Practical
Group

In summary

Construction Studies is the study of the **Built Environment**.

It is a natural follow-on from *Wood Technology* and also has close links with *Technical Graphics* in Junior Cycle.

The subject deals with all aspects of the building process from-

- **Planning and Design Drawings**
- **Site Preliminaries and Foundations**
- **Walls, Floors, Roofs, Windows, Doors, Stairs, Plastering and Painting**
- **Plumbing and Heating, Electrical Services and Drainage**





Construction Studies

Practical
Group

Who Should Study it?

- Students who have an interest in **practical, hands-on** subjects.
- Students who have an **aptitude for working with tools and machinery**.
- Students with creativity to **design and create** their own project piece.
- Students interested in learning the **theory** behind the **key construction processes**.

Career Interest Type Most Suited

REALIST



"Those who enjoy work that involves 'doing' and being hands-on with visible (tangible) results for their efforts"



Construction Studies

Practical
Group

How this subject is examined for the Leaving Certificate

Assessment Methods		Higher Level	Ordinary Level
	Written Paper	50% of marks	50% of marks
	Practical	25% of marks	25% of marks
	Project	25% of marks	25% of marks
	Oral	-	-
	Aural	-	-
	Performance	-	-

TEACHER COMMENT

- Very difficult to score high in Higher Construction if you don't have wood technology at JC
- TOP students have:
 - Good Psychomotor Skills
 - Good Spatial Skills
 - Work Independently
 - Are creative and good at drawing



CHEMISTRY

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

The periodic table is organized by atomic number (1-108) and grouped into categories:

- States of Matter:** Solid (C), Liquid (Hg), Gas (H, He, N, O, F, Cl, Br, I, At), Plasma (None shown).
- Metals:** Includes alkali metals, alkaline earth metals, transition metals, lanthanides, actinides, and post-transition metals.
- Nonmetals:** Includes halogens, noble gases, and other nonmetals.

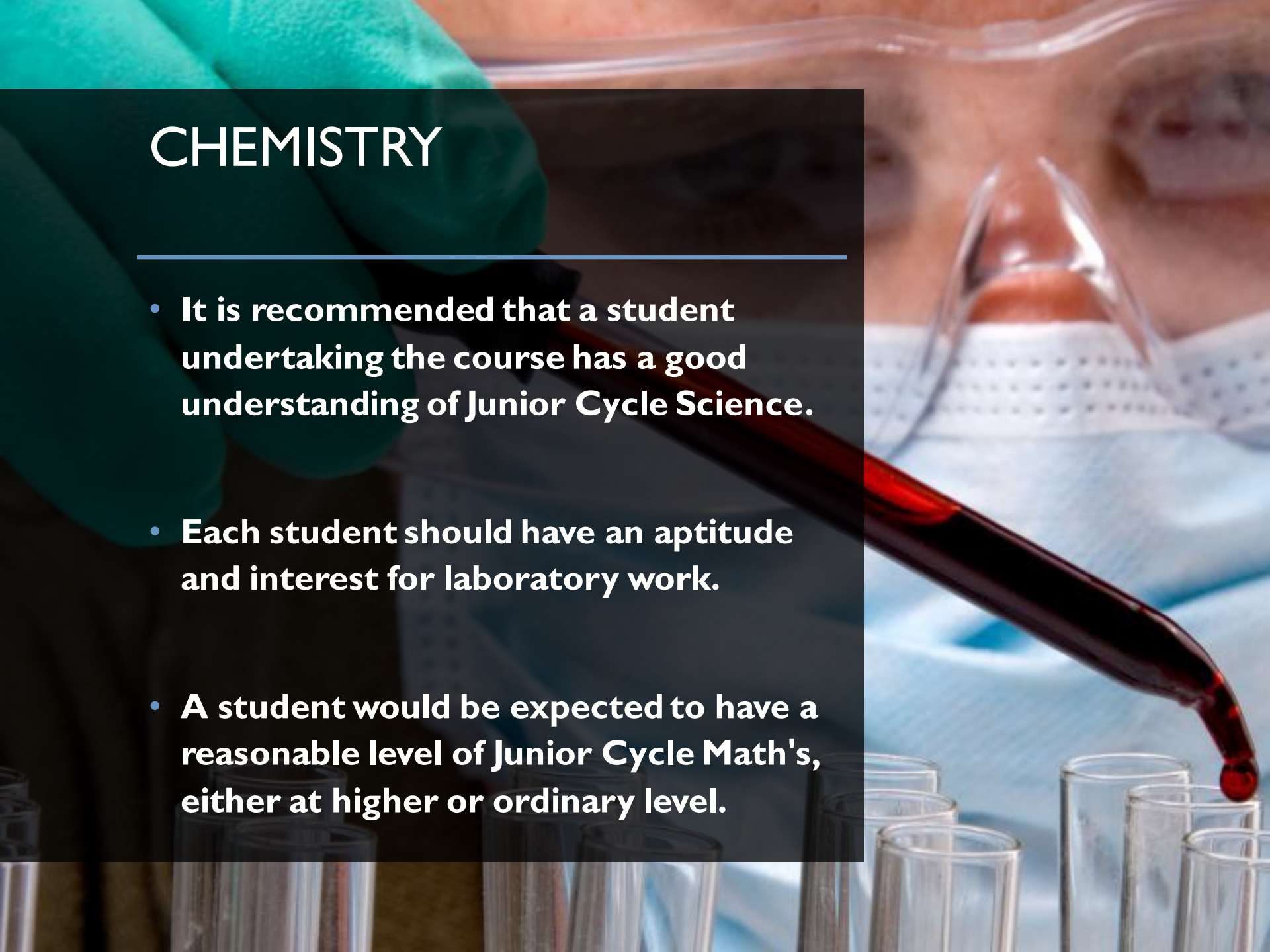
For elements with no stable isotopes, the mass number of the isotope with the longest half-life is in parentheses.

Design and Interface Copyright © 1997 Andrew Deane (andrew@nyjah.com) <http://www.phyde.com/>

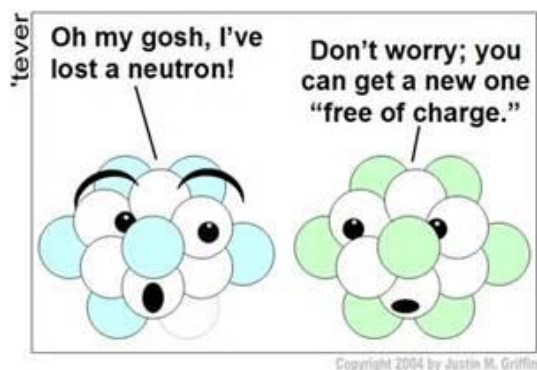
Ptable.com

CHEMISTRY

- **It is recommended that a student undertaking the course has a good understanding of Junior Cycle Science.**
- **Each student should have an aptitude and interest for laboratory work.**
- **A student would be expected to have a reasonable level of Junior Cycle Math's, either at higher or ordinary level.**



CHEMISTRY EXAM



- The leaving cert exam is 3hrs in duration.
- Consisting of two sections.
- 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

Do I know any good
sodium jokes?

Na.



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 as needed in the Irish Economy.

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



Agriculture Science

Science
Group

In summary

Agricultural Science is the study of the **science** and **technology** underlying the **principles and practices of Agriculture**.

The subject deals with plants and animal types associated with agriculture. Aspects studied include-

Scientific Practices: Evidence, Communicating, Working Safely.

Soils: Classification, Properties and Management.

Grass and Other Crops: Plant Physiology, Classification/Identification, Production (Establishment, Management, Harvesting)

Animals: Animal Physiology, Classification/Identification, Production



A close-up photograph of a person's hand holding a clump of dark, rich soil. The hand is positioned on the left side of the frame, with fingers slightly curled around the soil. The background is a blurred natural setting with green foliage and brown earth. A semi-transparent dark grey rectangular box is overlaid on the right side of the image, containing white text for the title and a bulleted list.

AGRICULTURAL SCIENCE - ASSESSMENT

- **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 H1 student works hard during 5th & 6th year**
- **An aptitude for science is essential**
- **Did you score well in Science at JC?**
- **Don't mistake it for an easy subject. Project is rigorous**



Music

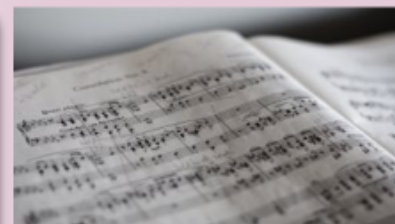
Artistic and Creative Group

In summary

Music involves developing a series of interrelated musical activities within the **THREE** core areas of musical experience – **Performing, Composing** and **Listening**.

It is a natural follow-on from *Music* in Junior Cycle.

- In **performing**, students can choose from a range of individual and/or group activities.
- In **composing**, students develop an understanding of musical structure and form.
- The **listening** component provides for rich aural experiences through exposure to music of different periods, styles and genres.





Music

Artistic and Creative Group

Who should Study it?

- Students who have an **interest in Music**, how it is composed & performed and appreciate others music.
- Students who have an **aptitude for Musical techniques** such as listening, composing & performing.
- Students with the creativity to **perform and create** their own pieces.

Career Interest type most suited

Creative



"For the creative and artistic individuals who want to develop their creativity"



Music

Artistic and Creative Group

Exam Structure

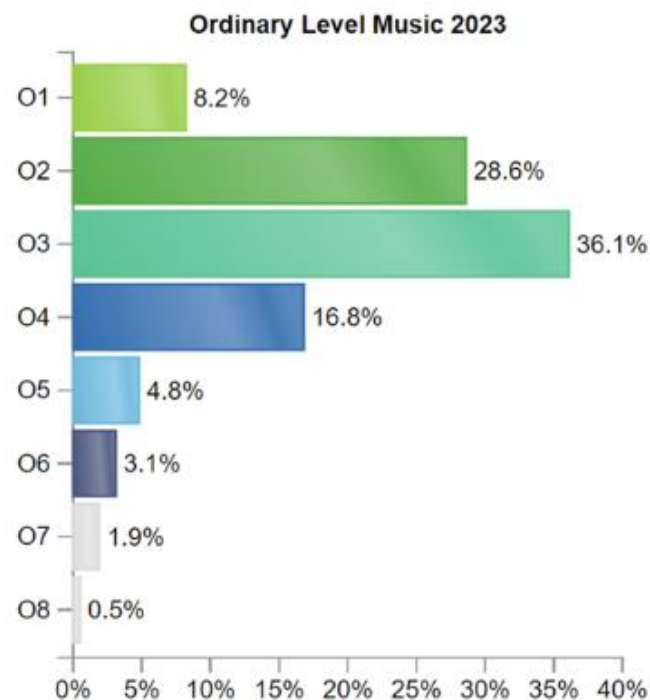
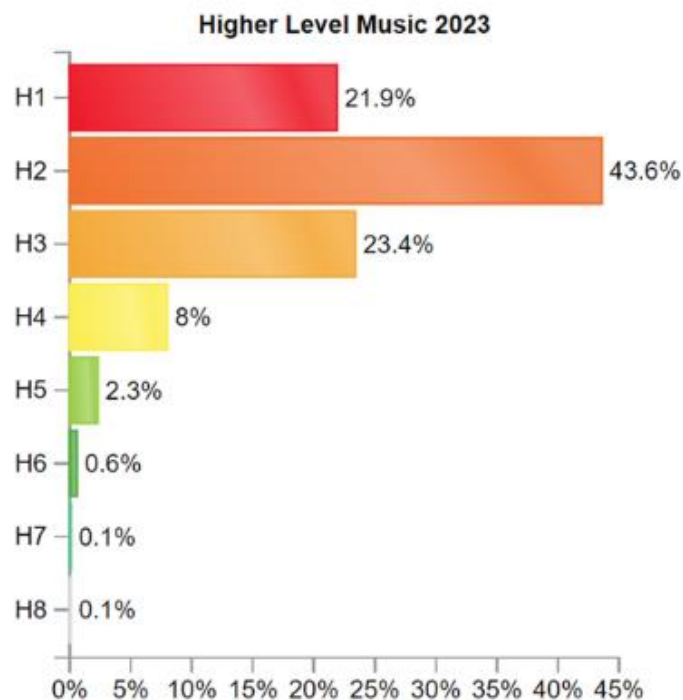
Assessment Methods		Higher Level	Ordinary Level
	Written Paper	-	-
	Composing	25% of marks	Choice of 50% / 25% of marks
	Project	(Higher Level Elective) – 25%	-
	Oral	-	-
	Aural	25% of marks	Choice of 50% / 25% of marks
	Performance	25% of marks	Choice of 50% / 25% of marks



Music

Artistic and Creative Group

Sample Marks Distribution





Technology

Practical
Group

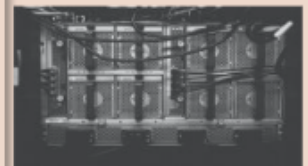
In summary

Technology is very much a **Cutting-edge subject**.

It is a natural follow-on from *Technology* in the Junior Cycle.

In the subject students work with many different types of materials and will gain an understanding of technological systems and processes, including-

- **Design process, Project & Quality Management, Materials and Production**
- **Communication and Graphic Media, Information & Communications Technology (ICT)**
- **Structures and Mechanisms**
- **Energy, Electricity and Electronics**





Technology

Practical
Group

Who Should Study it?

- Students who are **inquisitive about technology** and how things work.
- Students who have an **aptitude for solving the technological problems** experienced in everyday life.
- Students with creativity to **design and create** their own technology project piece.
- Students interested in learning the **theory** behind the **key technological processes**.

Career Interest Type Most Suited

REALIST



"Technology is in everything, from phones to cars to satellites"



Technology

Practical
Group

How this subject is examined for the Leaving Certificate

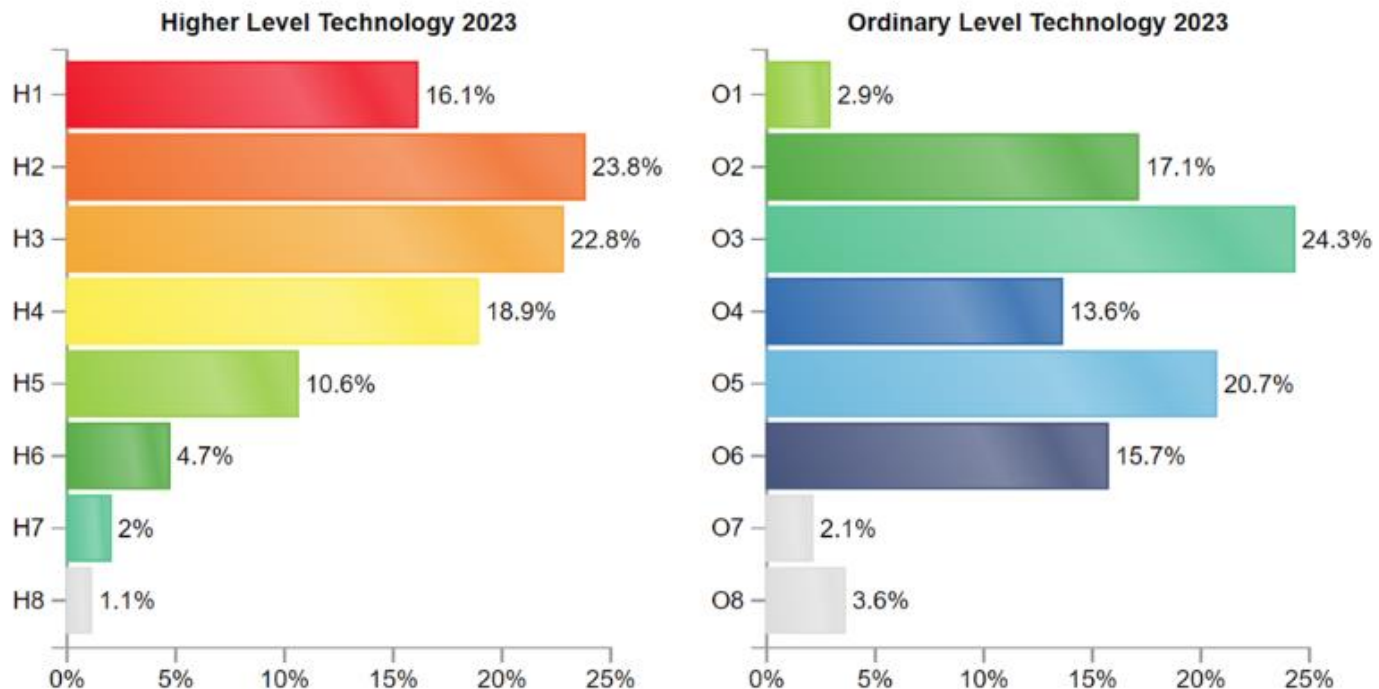
Assessment Methods		Higher Level	Ordinary Level
	Written Paper	50% of marks	50% of marks
	Practical	-	-
	Project	50% of marks	50% of marks
	Oral	-	-
	Aural	-	-
	Performance	-	-



Technology

Practical
Group

Distribution of Grades





LCVP Link Modules

Business Group

The LCVP Portfolio

As part of the LCVP Link Modules course students must complete a **6-piece Portfolio** which makes up **60% of the overall mark**. The Portfolio is made up of **4 Core** items and **2 Optional** items.

Core items (must complete all four)

- Curriculum Vitae
- Career Investigation
- Summary Report
- Enterprise/Action Plan

Optional items (must do two from four)

- Work Experience Diary
- Enterprise Report
- Recorded interview/Presentation
- Report on 'My Own Place'





LCVP Link Modules

Business Group

Who should Study it?

- Students who are **practically minded** and have an interest in **Business** and **Enterprise**.
- Students who like to **get involved** outside the classroom and sample the world of work during **Work Experience**.
- Students who have an interest in the world of **business** or might want to **run their own business** in the future.

Career interest area most suited **Enterprising**



"For those who are interested in the World of Work and may have ambitions to set up their own business in the future"



Exam Structure

Assessment Methods	Common Level	
	Written Paper	40% of Marks
	Practical	-
	Portfolio	60% of Marks
	Oral	-
	Aural	-
	Performance	-



LCVP Link Modules

Business Group

Grading System

- LCVP Link Modules are graded differently to all other Leaving Certificate Subjects.
- Students can be awarded either a-
 - Distinction** (80%-100%/66 points)
 - Merit** (65%-79%/46 points)
 - Pass** (50%-64%/28 points)
- LCVP Link Modules can be used as one of a student's best six grades for CAO purposes. Points are shown opposite

CAO points available from LCVP Link Modules

LCVP LINK MODULES		
Distinction		66 points
Merit		46 points
Pass		28 points

WHEN CHOOSING

SUBJECT SPECIFIC

SCIENCE

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

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

Science

Architecture

Engineering

Occupational
Therapy

Medicine

Speech Therapy

Dentistry

Sports Science

Veterinary

Nutrition

Pharmacy

Dietetics

Physiotherapy


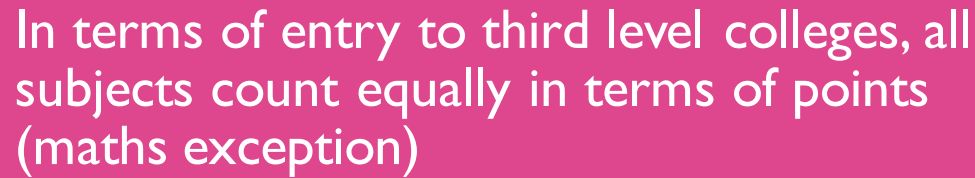
Optometry

Radiography


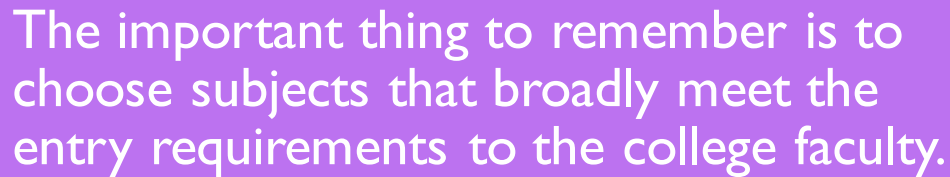
Nursing

ALL SUBJECTS ARE EQUAL

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




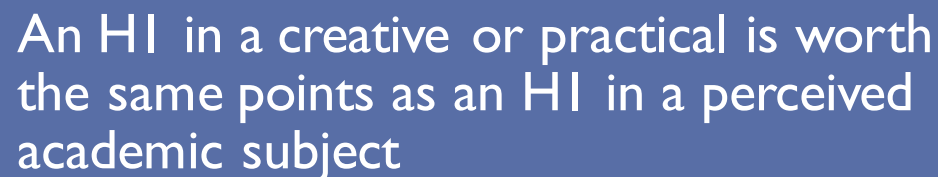
The important thing to remember is to choose subjects that broadly meet the entry requirements to the college faculty.



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



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



WHY SEVEN SUBJECTS?

CAO (Central Application Office)

Points based on best SIX subjects in one single sitting.

The 7th subject can be a safety net.

Timetable in Garbally is structured on all students studying 7 subjects



CLOSING DOORS

Dropping science can close doors at this stage.



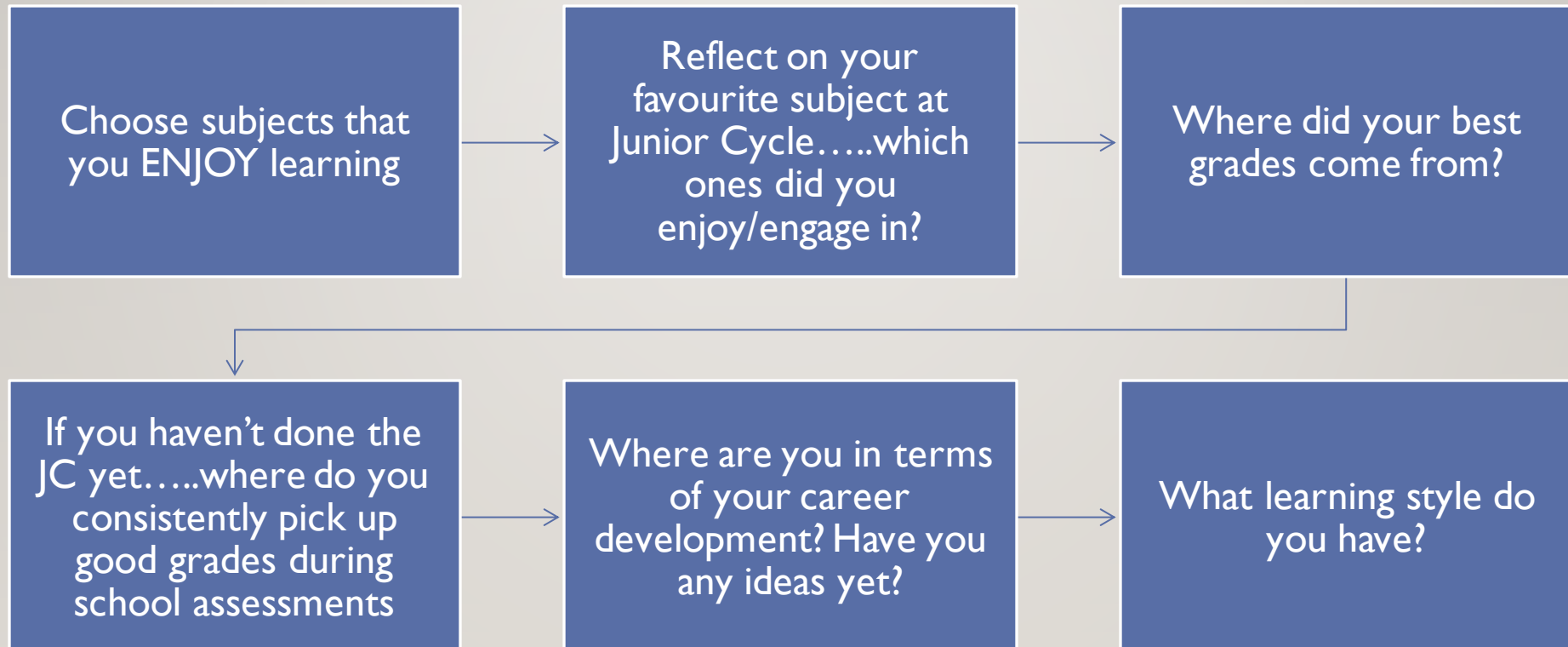
```
graph TD; A[Dropping science can close doors at this stage.] --> B[Find out the specific requirements needed for your area of interest.]; B --> C[Consult with your Guidance Counsellor]; C --> D[Consult as a FAMILY – GUIDE YOUR SON THROUGH THE PROCESS];
```

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

WHAT TO CONSIDER WHEN CHOOSING





CAT 4 & CAREER FIT REPORT

FIRSTYEAR & TY

PROBLEM SOLVING EMPHASIS

CAT 4 TESTING & CAREER
FIT

First Year & TY



HOW DOES IT RELATE
TO SUBJECT CHOICE
IN GARBALLY?

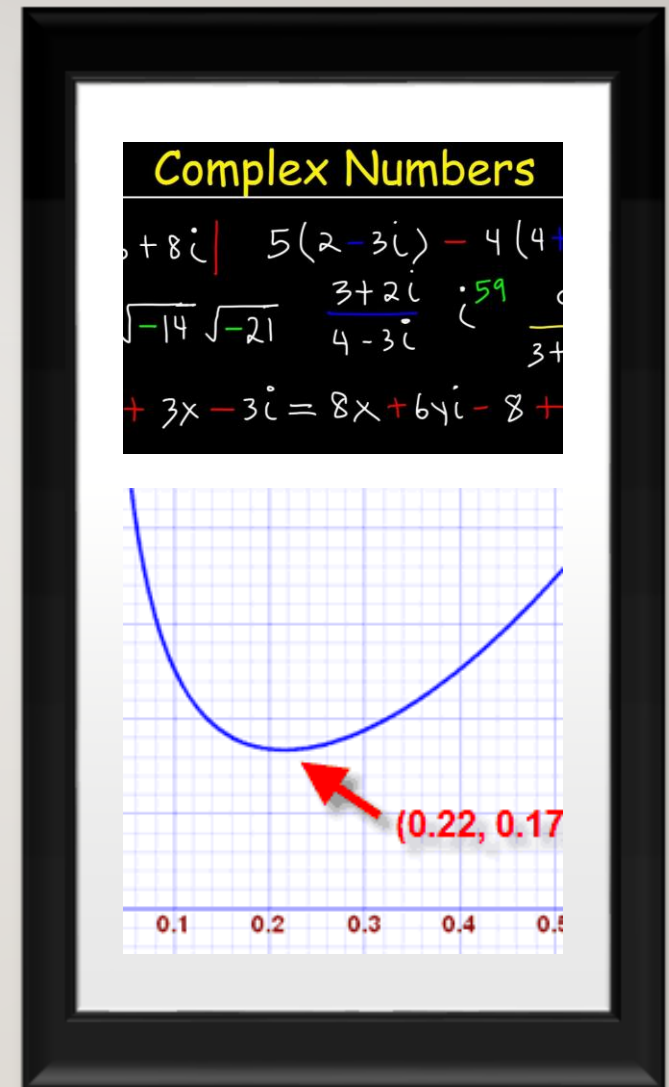


SUBJECTS WITH SKILLS EMPHASIS ON **VERBAL REASONING**

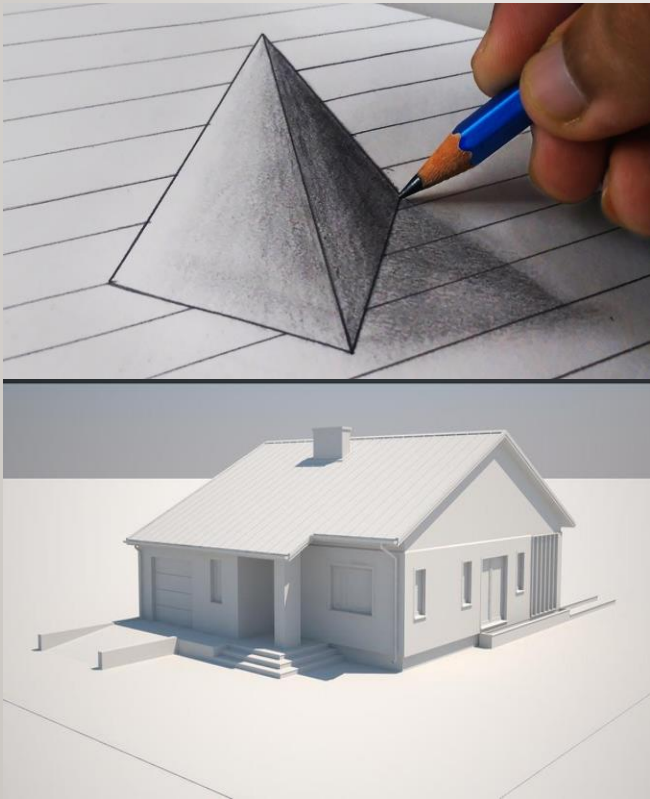
- **ENGLISH**
- **HISTORY**
- **LANGUAGES**
- **BUSINESS**
- **GEOGRAPHY**
- **HOME ECONOMICS**
- **BIOLOGY**
- **ART**
- **MUSIC**

SUBJECTS WITH SKILLS EMPHASIS ON NUMERICAL REASONING

- MATHS
- PHYSICS
- CHEMISTRY
- APPLIED MATHS
- ACCOUNTING
- ECONOMICS
- ENGINEERING
- DCG
- TECHNOLOGY



SUBJECTS WITH *SKILLS EMPHASIS ON* SPATIAL REASONING



DCG

ART

CONSTRUCTION STUDIES

ENGINEERING

CHEMISTRY

BIOLOGY

PHYSICS

TECHNOLOGY

ECONOMICS

GEOGRAPHY

SUBJECTS WITH SKILLS EMPHASIS ON NON VERBAL REASONING



DCG

ART

CONSTRUCTION
STUDIES

ENGINEERING

AGRICULTURAL
SCIENCE

HOME
ECONOMICS

CHEMISTRY





EXAMINE CAREERFIT REPORT

- Appetite Testing in Three Areas
- Rigorous Interest Test
- 16 Career Suggestions
- LINK THE REPORT TO SUBJECT CHOICE WITH OTHER METRICS

WHEN CHOOSING...

THINK ABOUT YOUR PREFERRED
LEARNING STYLE



THINK BACK TO THE SUBJECTS YOU
ENJOYED DURING THE JUNIOR
CYCLE



WHICH LEARNING ENVIRONMENTS
SUITED YOU?

AUDITORY LEARNER



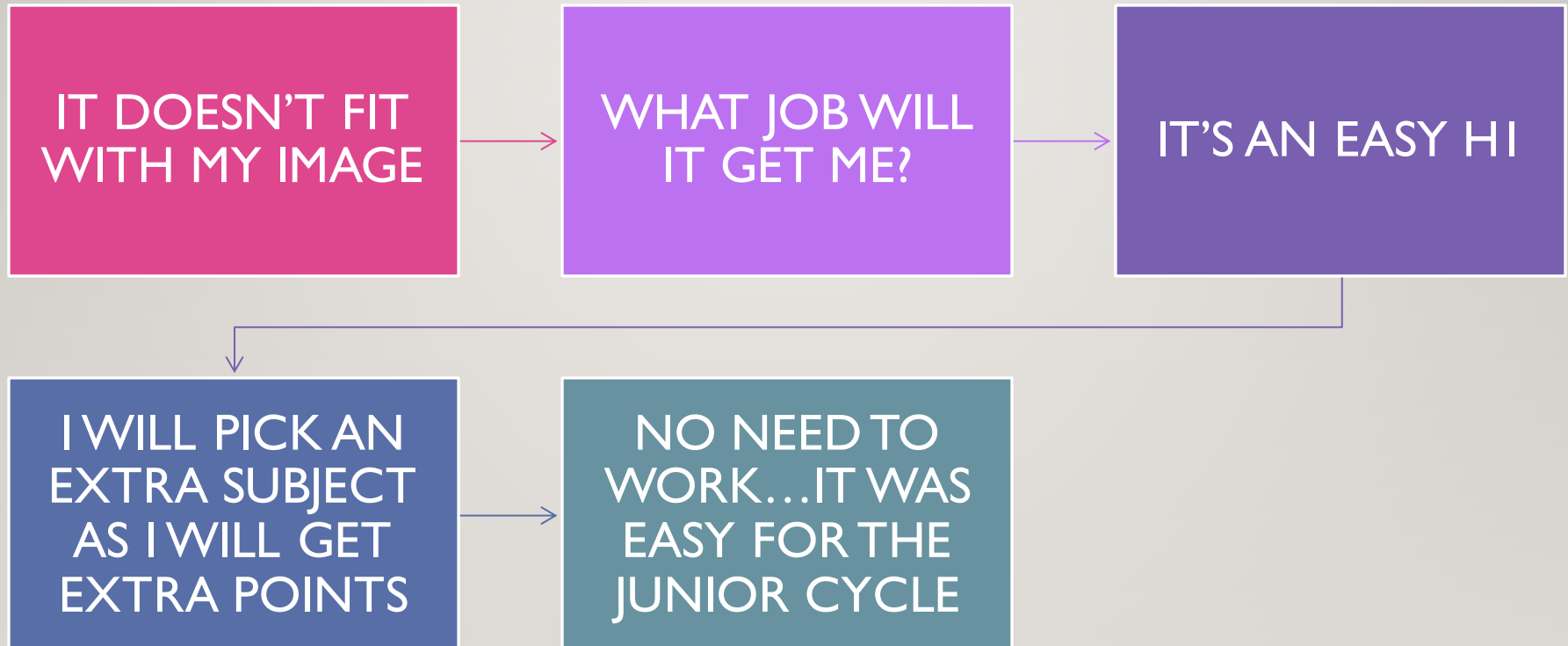
VISUAL LEARNER





KINESTHETIC – LEARN BY DOING

AVOID THESE IDEAS!

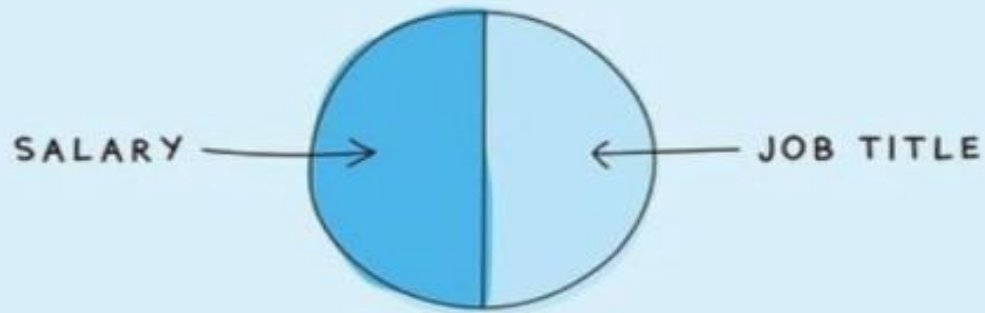


AND ESPECIALLY THIS ONE..



-
- 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 an educational pathway that you enjoy because you trusted your instinct.

HOW WE'RE TAUGHT TO MEASURE SUCCESS



A BETTER MEASURE

