

A bicycle with a light blue frame and black tires is leaning against a large, textured tree trunk. A woven basket is attached to the handlebars, filled with a bouquet of purple and white flowers, a bottle of wine, and a loaf of bread. The scene is set in a sunlit field with tall grass and trees in the background, creating a warm, golden-hour atmosphere.

CLONFERT COLLEGE

SUBJECT CHOICE 2026

AGENDA

Leaving Certificate

Entry Requirements

Third Language

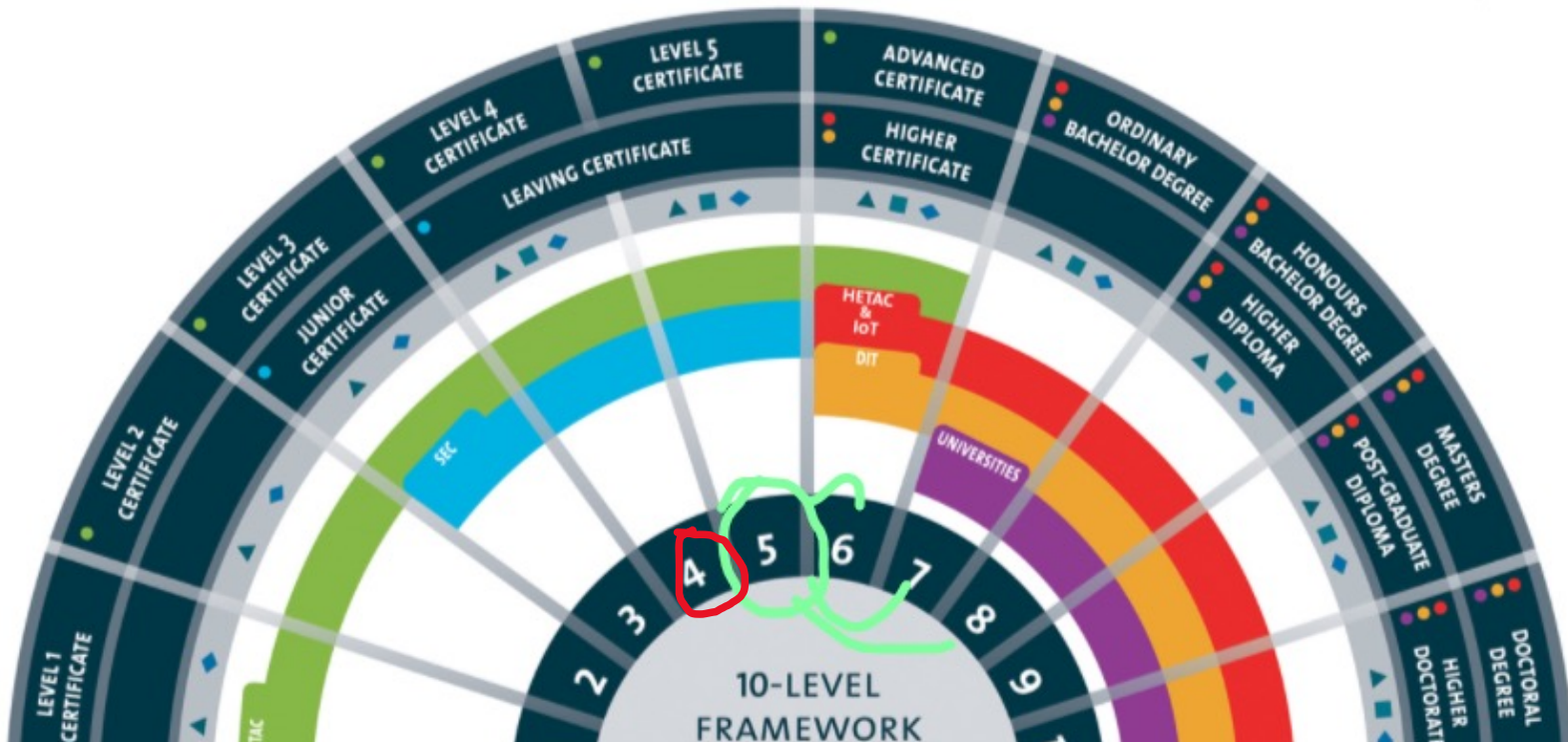
Higher Irish

Mathematics

Leaving Certificate Subjects

CAT 4 Indicators

Important Career Websites

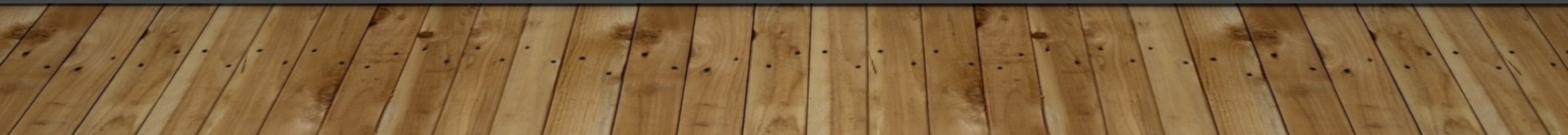


LCE & LCVP - QQI LEVEL 5
LCA – QQI LEVEL 4

LEAVING CERTIFICATE ESTABLISHED

- SEC ARE THE AWARDING AUTHORITY FOR THIS LEVEL 5
- RECOGNISED BY QUALITY & QUALIFICATIONS IRELAND (QQI)
- TWO YEAR SCHOOL PREPARATION
- IN CLONFERT COLLEGE, 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...

3 things are important when choosing a subject

1. MOTIVATION TO LEARN

2. INTEREST

3. APTITUDE

None of these are fixed....



LEAVING CERTIFICATE SUBJECTS GROUPS

**Language & Humanities
Group**

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

Business Group

Creative Group

STEM GROUP



Physics



Chemistry



Biology



**Physical
Education**



**Agricultural
Science**



**Construction
Studies**



**Design and
Communication
Graphics**



Engineering



Technology

HUMANITIES & CREATIVE GROUPING



HOME
ECONOMICS



HISTORY



GEOGRAPHY



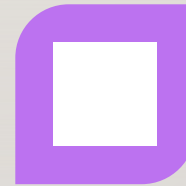
FRENCH



GERMAN



MUSIC



ART

BUSINESS GROUP



BUSINESS



ACCOUNTING



ECONOMICS

7 SUBJECTS STUDIED FOR THE LEAVING CERT

1. English

2. Maths

3. Irish

4. ?

5. ?

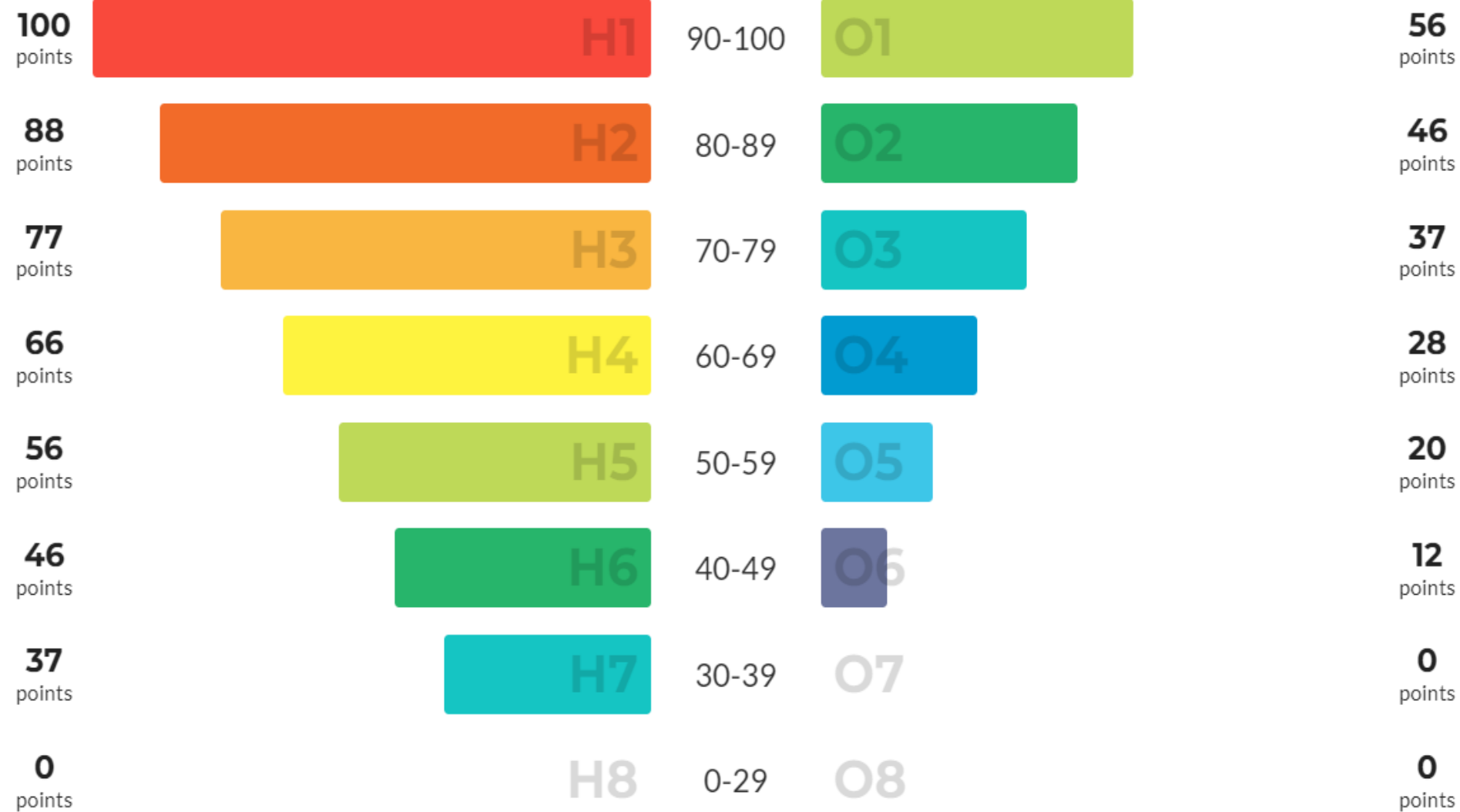
6. ?

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*

Health
Science
Professions
bar Nursing

(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

Qualifax.ie



Careersportal.ie



Curriculumonline.ie



Cao.ie

Courses Ab

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 or Agricultural Science and Chemistry.

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](#)

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

Home Reach Admin Student File

Reach+

[Search](#) [Messages](#) 0

Roisin McSharry

WELCOME

APPS & TOOLS

Career Planning & Research

Self-Assessment

Study Performance

World of Education

Progress Indicator

Career Planning	
Self-Assessment	
Study Performance	
World of Education	
World of Work	
LCVP	

Course Summary

Language Options

Entry Requirements

QQI / FET Links

The Student

Career Progression

Further Research

ENTRY REQUIREMENTS

Points History

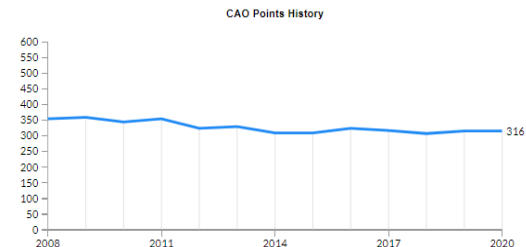
316

Minimum Subjects

3 H5 & 3 O6/H7

✓ O6/H7 IN English OR Irish

✓ O4/H7 IN Maths



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 Gaeilge | 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

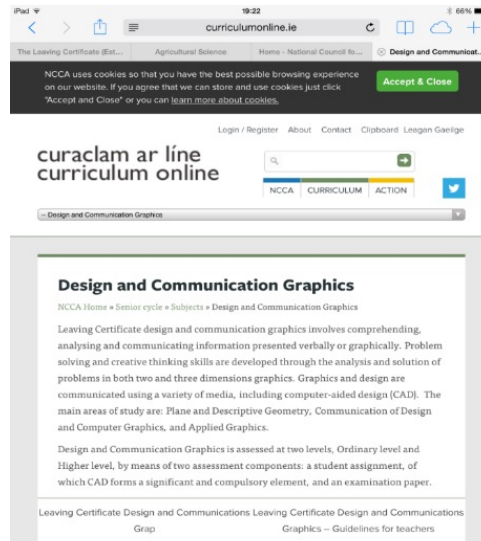
Open Days

Have a question?

Important Dates

CAO.IE

CURRICULUMONLINE.IE



Senior Cycle		
Ac Accounting	AE Agricultural Economics	AS Agricultural Science
AG Ancient Greek	AM Applied Mathematics	Ar Arabic

THIRD LANGUAGE

The inclusion of a modern language in the leaving certificate is highly recommended.

Compulsory requirement for 171 courses in CAO

More €€€€€€'s in your pay-check

Highly beneficial for career development

Highly desired work skill – Identified skills shortage

(National Skills Bulletin 2023)





French

Humanities
Group

Exam Structure

Assessment Methods		Higher Level	Ordinary Level
	Written Paper	55% of Marks	55% of Marks
	Practical	-	-
	Project	-	-
	Oral	25% of Marks	20% of Marks
	Aural	20% of Marks	25% of Marks
	Performance	-	-

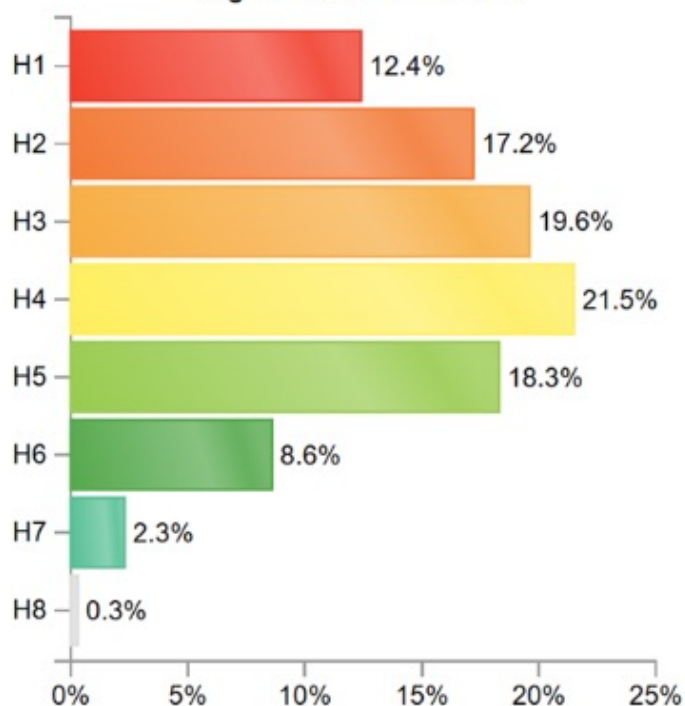


French

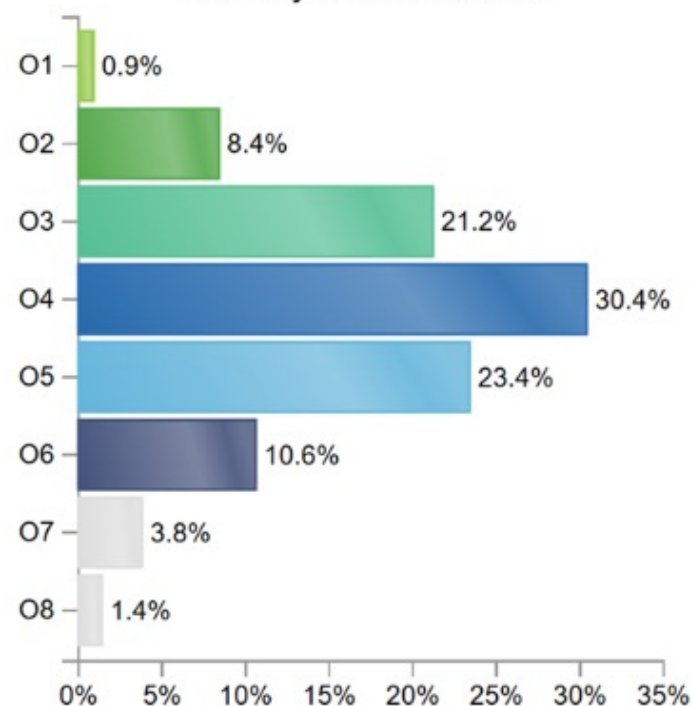
Humanities
Group

Sample Marks Distribution

Higher Level French 2025

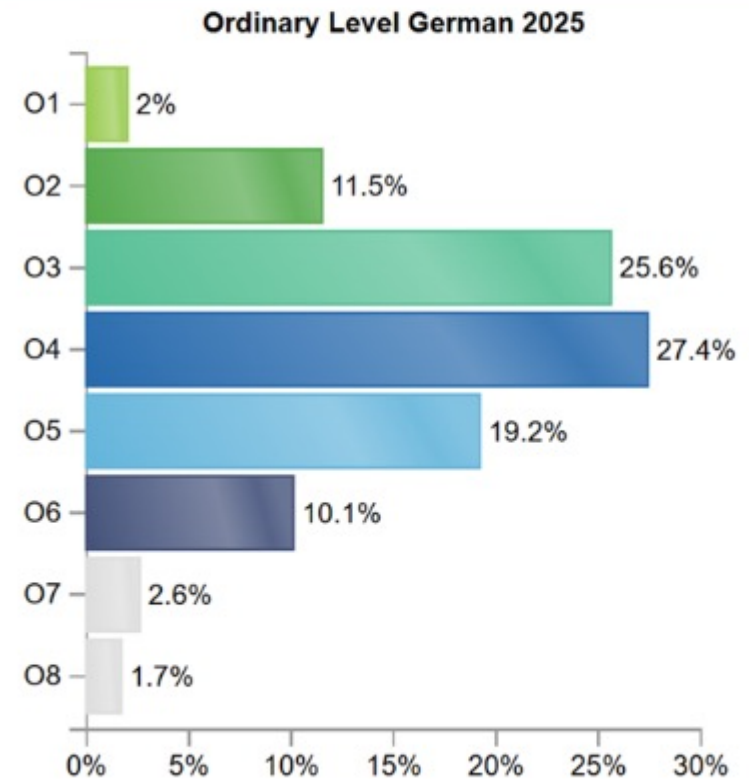
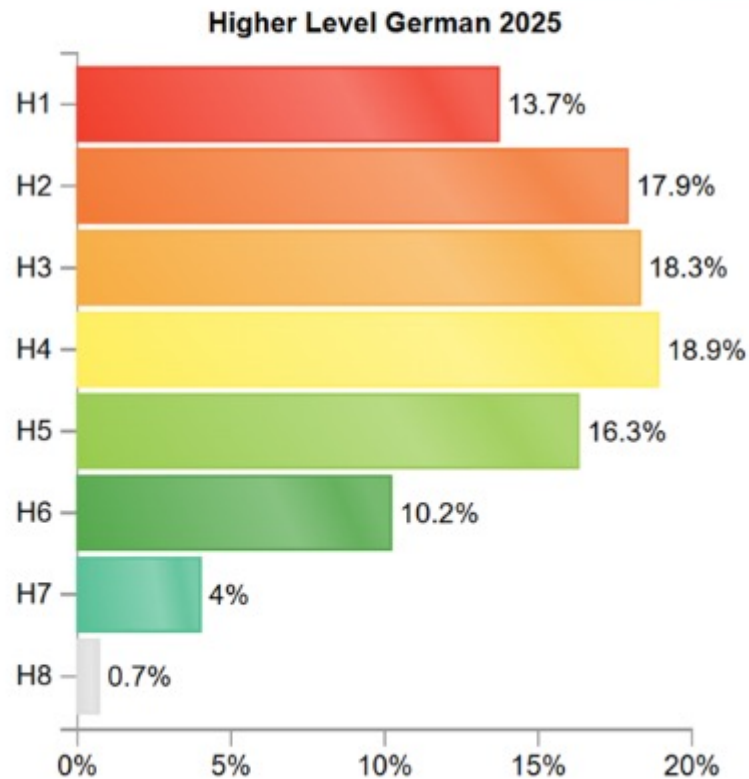


Ordinary Level French 2025





Sample Marks Distribution



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**

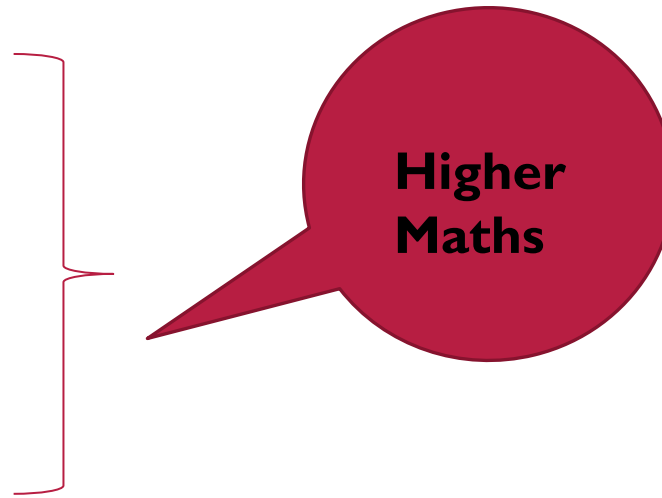
Higher Level Maths vs Ordinary Level

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!



LET'S 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

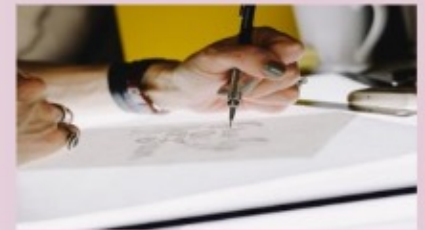
In summary

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)**

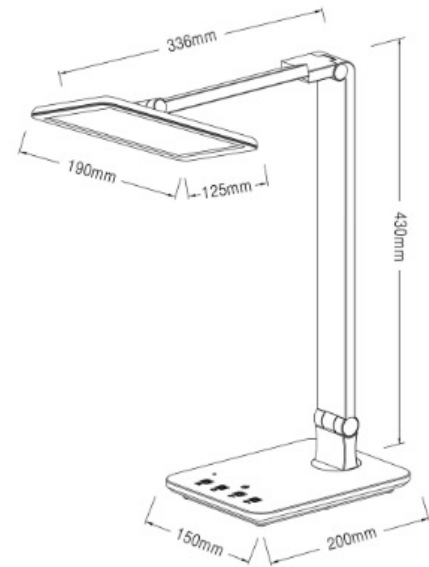


DCG - ASSESSMENT

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

Terminal Exam: 3 hours
duration – 240 marks

Student Assignment



2024 DESIGN BRIEF

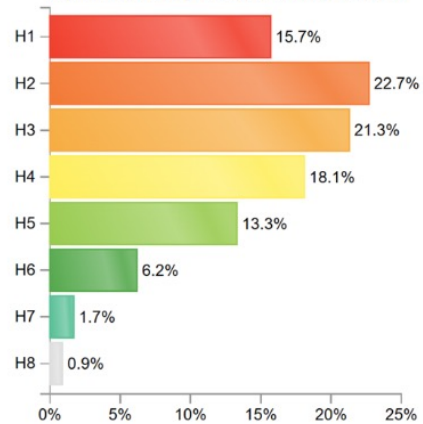


DCG

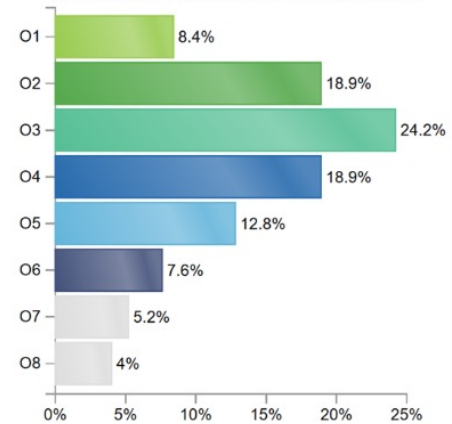
Artistic and Creative Group

Sample Marks Distribution

Higher Level Design and Comm Graphics 2025



Ordinary Level Design and Comm Graphics 2025



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"



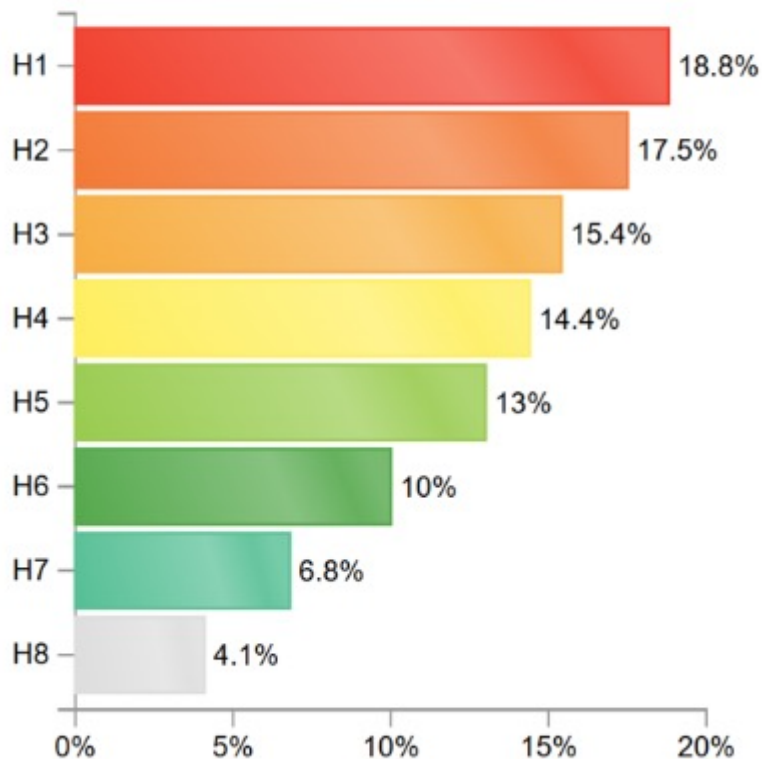
Exam Structure

Assessment Methods		Higher Level	Ordinary Level
	Written Paper	60% of marks	60% of marks
	Physics in Practice Investigation	Common Brief 40% of marks	Common Brief 40% of marks
	Project	-	-
	Oral	-	-
	Aural	-	-
	Performance	-	-

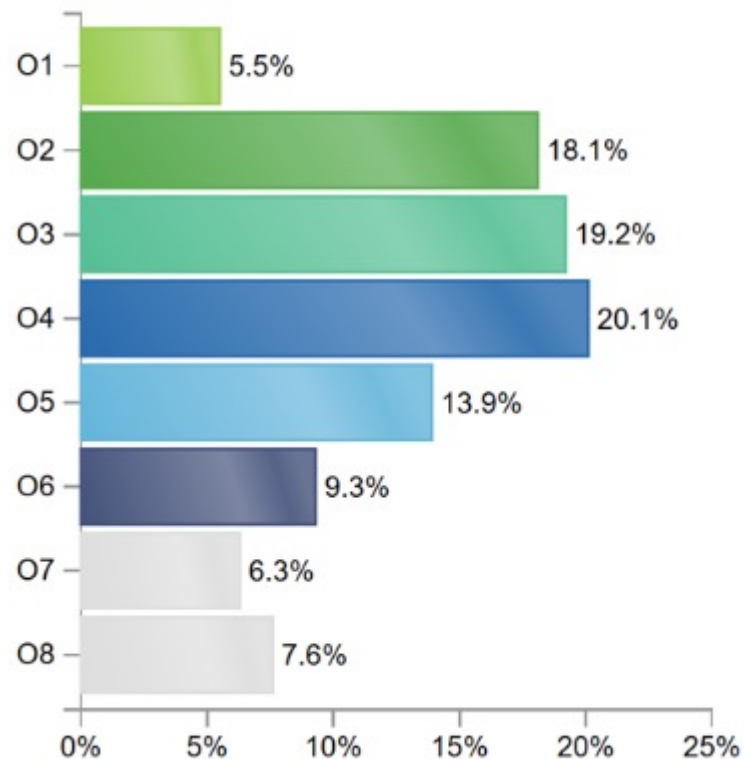


Sample Marks Distribution

Higher Level Physics 2025



Ordinary Level Physics 2025



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

It is relevant to modern life

Develops Awareness of human behavior

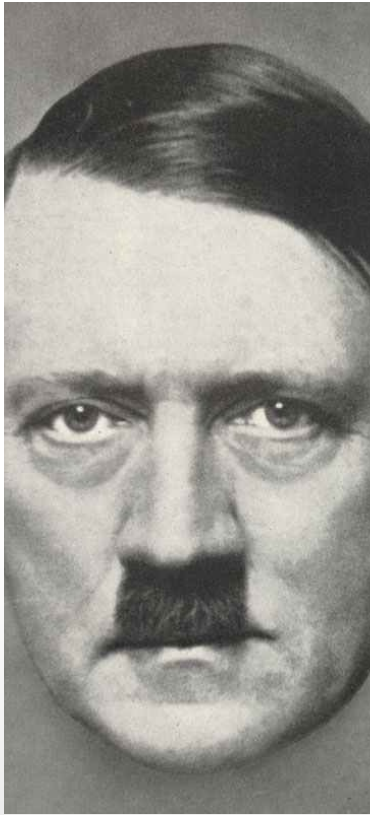
Cultural Inheritance & IDENTITY

Communication Skills

Writing Skills

Analytical Skills – History will sharpen your critical thinking skills.





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.

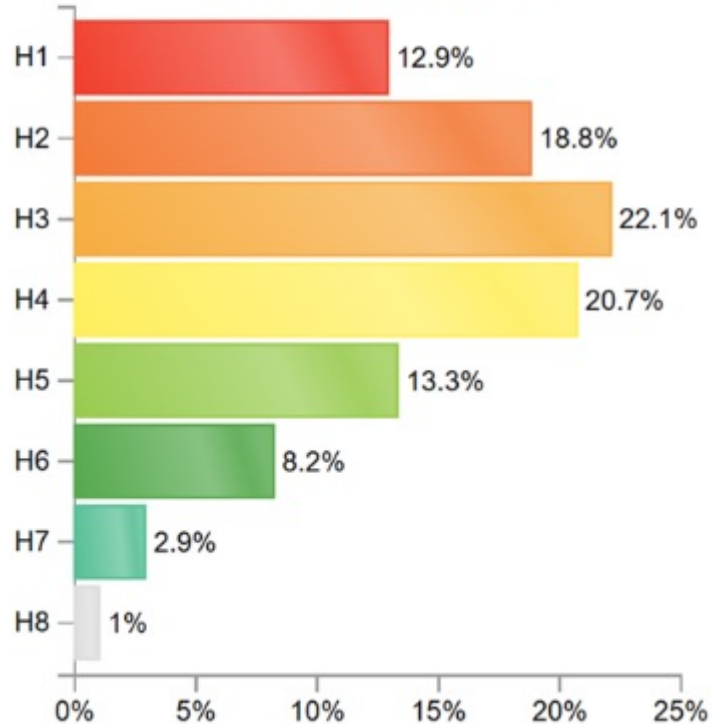
Handed in at the end of April before the leaving cert. The average mark is 90% plus.

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

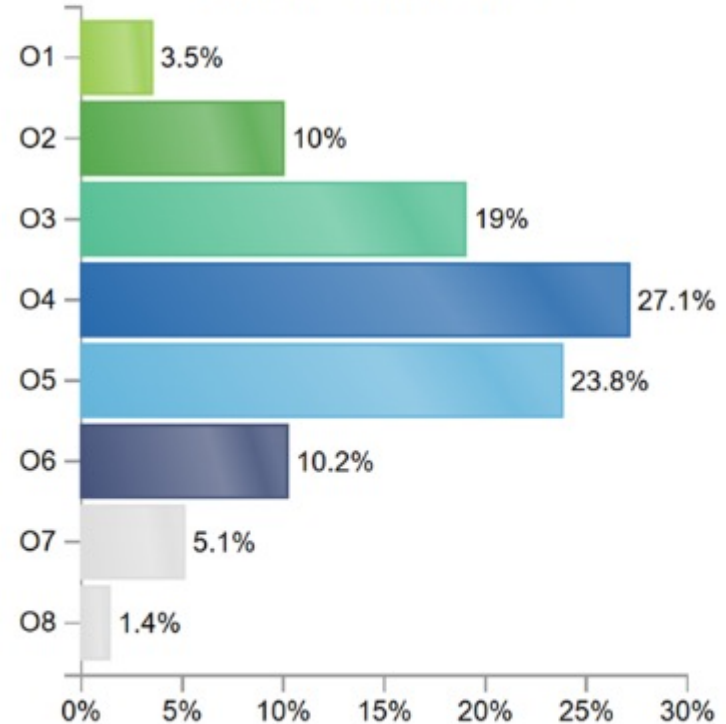


Sample Marks Distribution

Higher Level History 2025



Ordinary Level History 2025





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

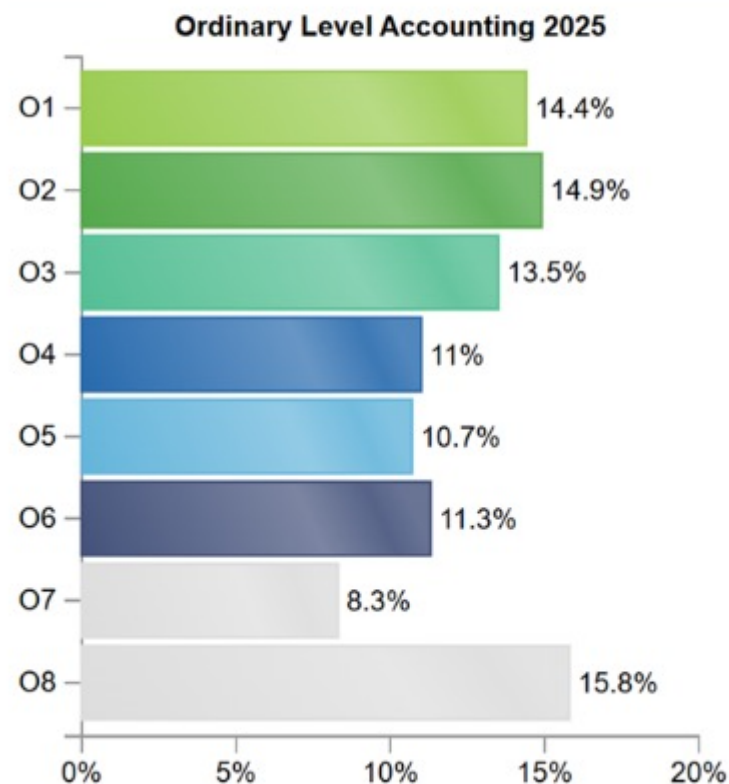
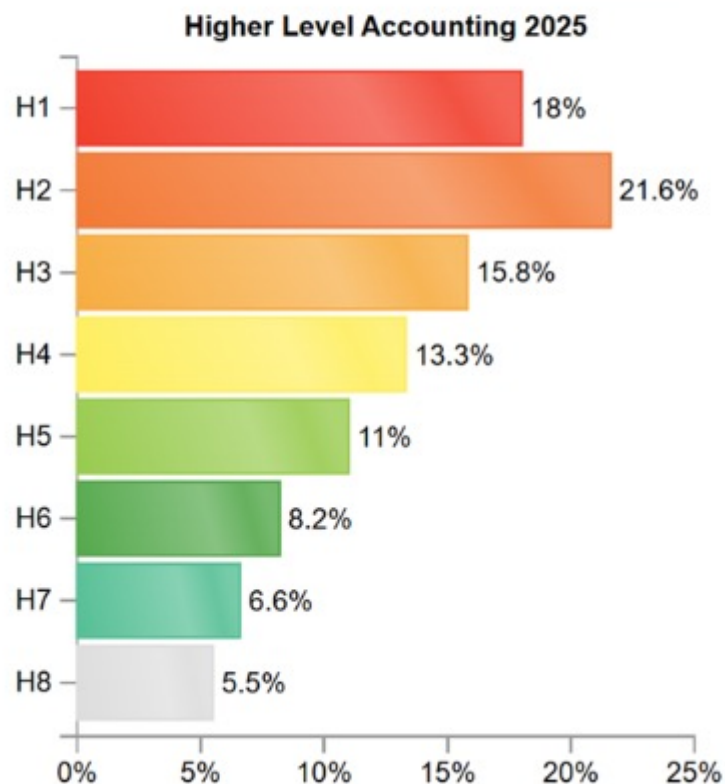
Business Group

Exam Structure

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



Sample Marks Distribution



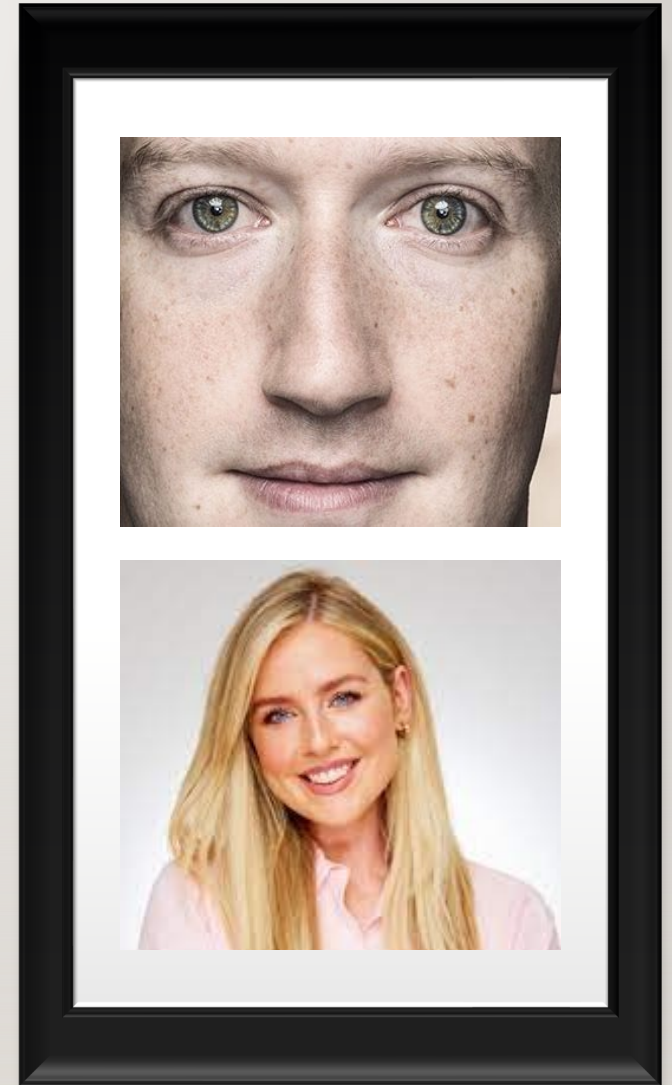
ADVICE FROM ACCOUNTING TEACHER



1. Student must like working with numbers.
2. Student should have good attention to detail.
3. Good Time Management.
4. While not necessary, it is a great help to have studied Business Studies at Junior Certificate.
5. 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.

The course is divided into **FIVE** strands:

- **Investigating Business**
- **Exploring the Business Environment**
- **Understanding Enterprise**
- **Leading in Business**
- **Being Informed & Making Informed Decisions**





Business

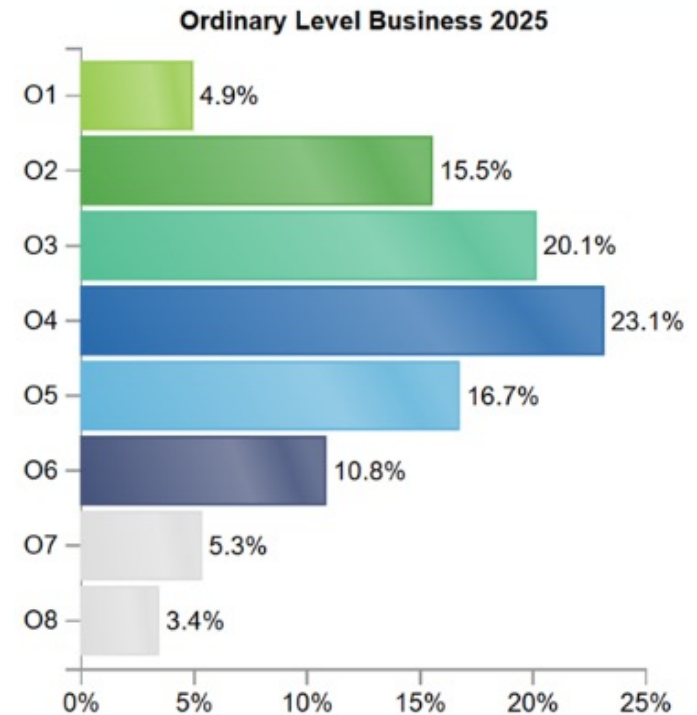
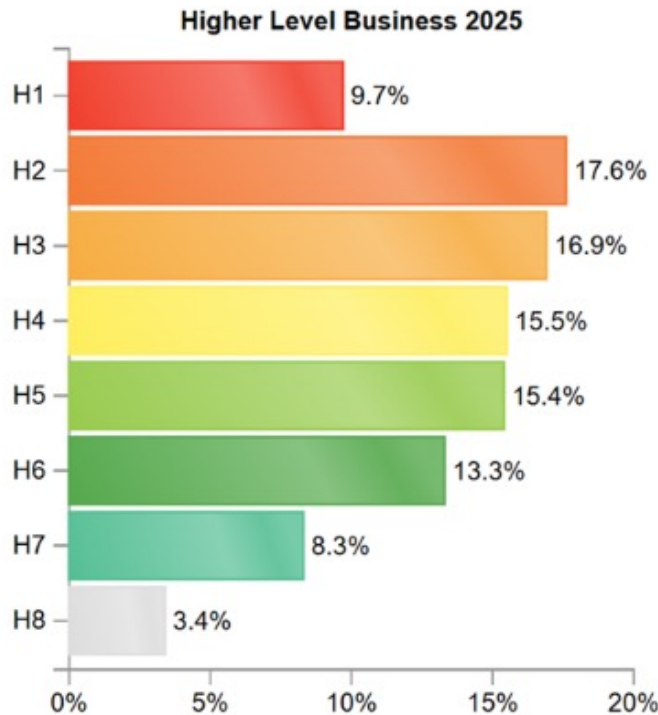
Business Group

Exam Structure

Assessment Methods		Higher Level	Ordinary Level
	Written Paper	1 Paper 60% of Marks	1 Paper 60% of Marks
	Practical	-	-
	Business Alive Investigative Study	Common Brief 40% of Marks	Common Brief 40% of Marks
	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, consumer behaviour 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.

There are five strands: a unifying strand and four contextual strands;

Strand 1 – What is economics about?

Strand 2 – How are economic decisions made?

Strand 3 – What can markets do?

Strand 4 – What is the relationship between policy and economic performance?

Strand 5 – How is the economy influenced by international economics?



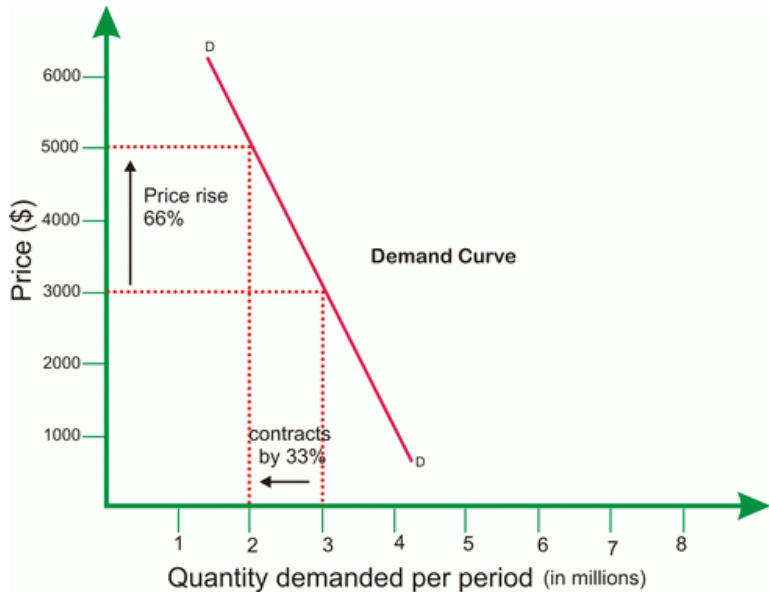
ASSESSMENT

Exam & Project

Section A – Short
Questions worth **20%**

Section B – Extended
Questions worth **60%**

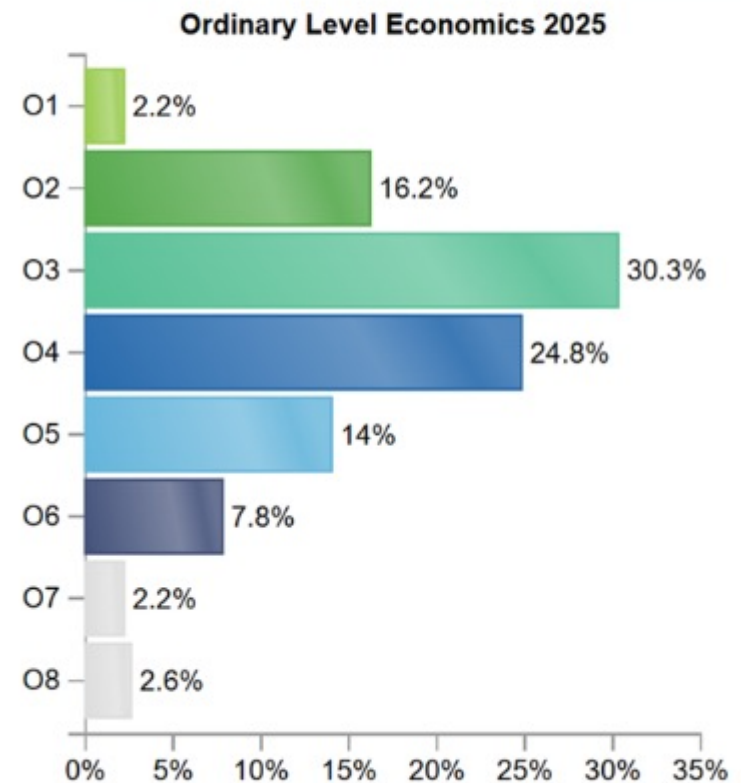
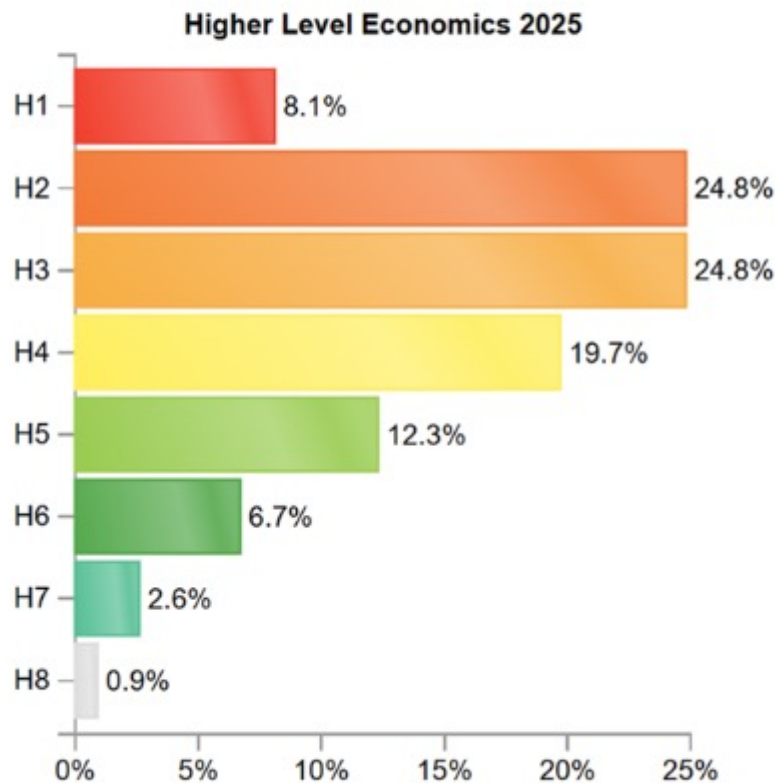
Research Project –
Submitted to SEC for
correction **20%**



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 20%

1. Home Design and Management
2. Textiles, Fashion and Design
3. Social Studies



Home Economics

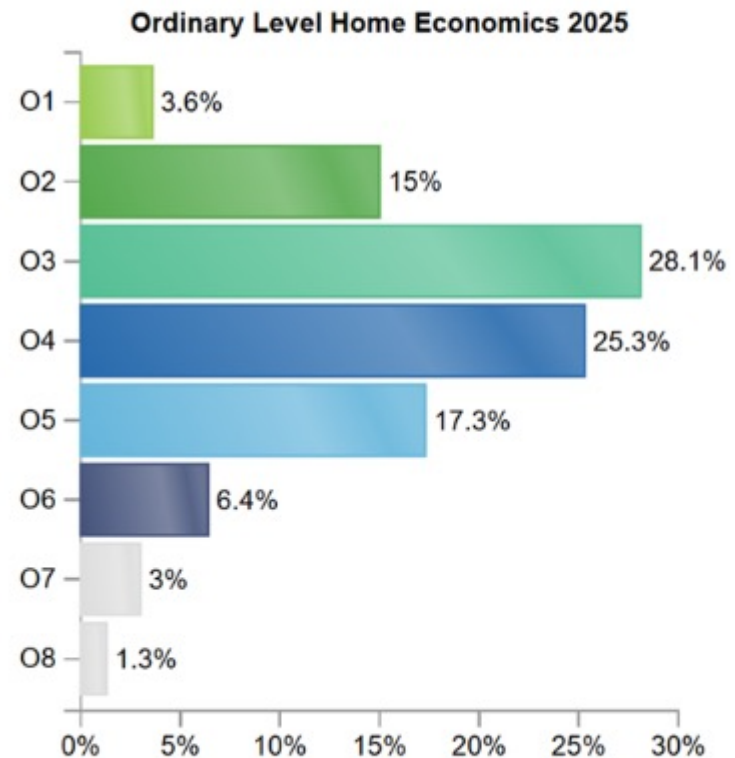
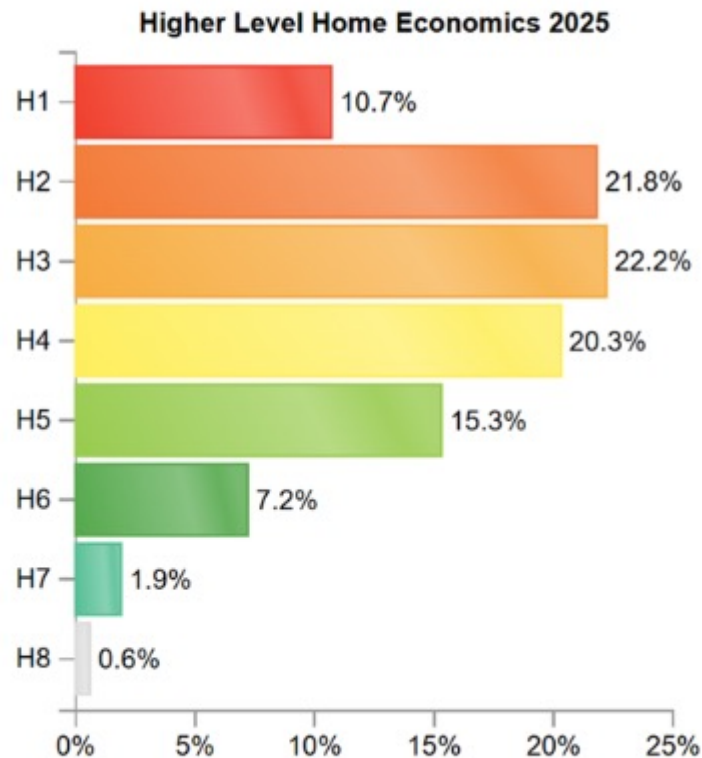
Social
Group

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	-	-



Sample Marks Distribution



ART

**ART HISTORY &
APPRECIATION 30%**

**DESIGN BRIEF WORTH
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. Leaving Certificate Art has three interlinked and interdependent strands of Research, Create and Respond.

Research Strand - Students will learn how to become a visual researcher.

Create Strand - Students will be engaged in the process of making/creating art from conception to realisation using a range of skills and chosen material(s), as appropriate.

Respond Strand - Students need to understand that in Art they can, and do, react to artwork, whether it is their own or another's. They will learn to stand outside of their own work and to reflect on it critically.



ART STUDENTS....



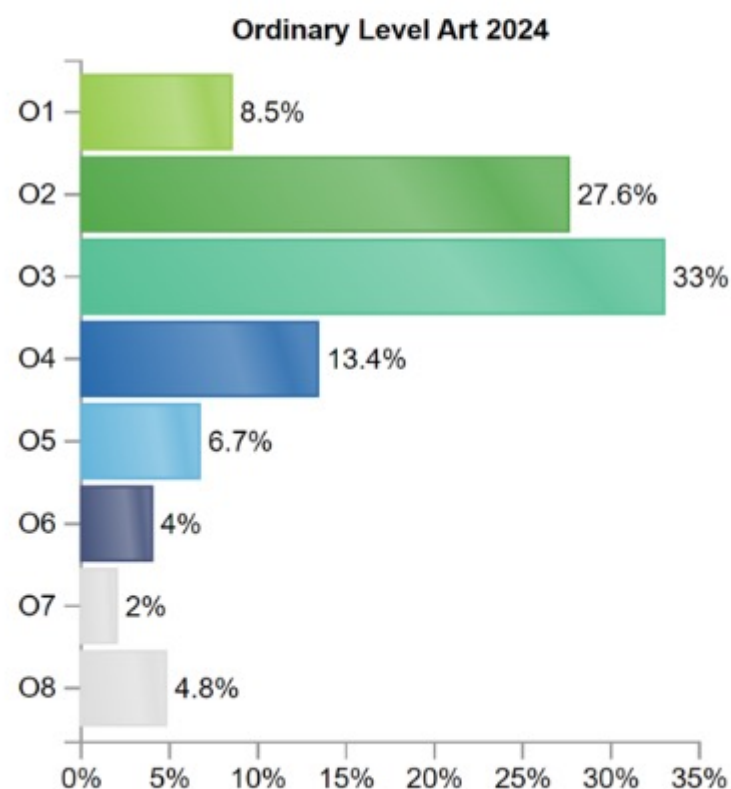
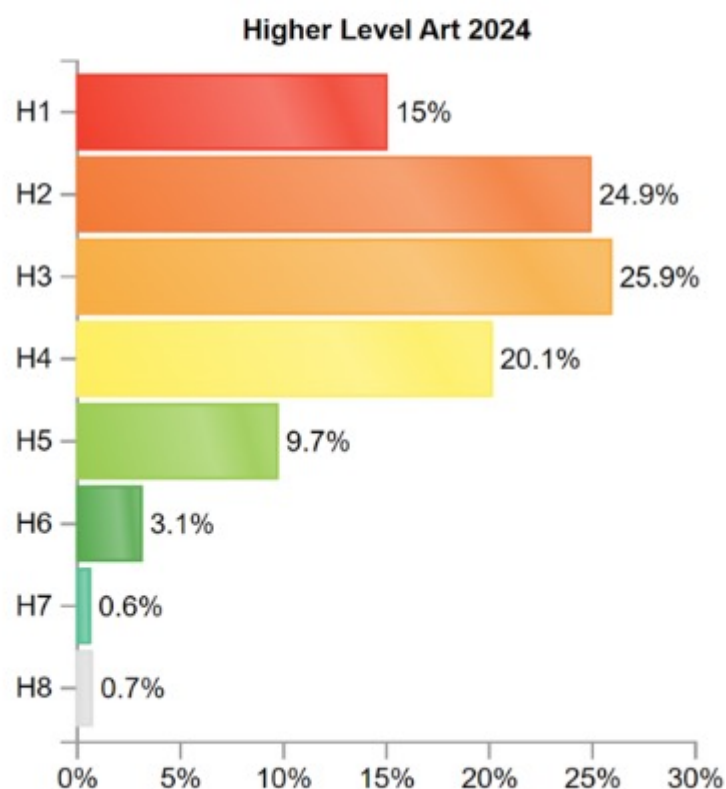
- **Enjoy drawing and working creatively with images**
- **Are Resourceful & Independent.**
Have the ability to research project themes.
- **Have an enquiring mind.**
- **Have opinions about Art and Design from the past and present.**
They are able to express this opinion.



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		Weighting	Level
	Design & Manufacture Project	50% of marks	Common Brief
	Written Examination	50% of marks	Higher and Ordinary Levels
	Oral	-	-
	Aural	-	-
	Performance	-	-

ENGINEERING – SUITABLE CANDIDATES



- 1. Metal work up to Junior Certificate or Engineering Module completed in TY**
- 2. Ability to work independently in the engineering workshop**
- 3. Proactive / Innovative**
- 4. Interested in how things work**
- 5. Ability to read drawing / Spatial skills**
- 6. Health & Safety Conscious**

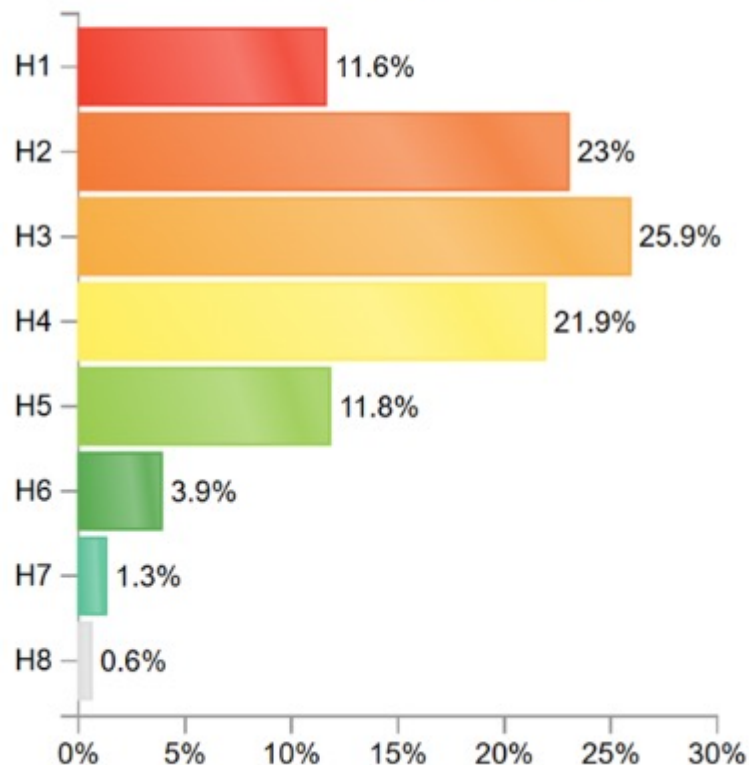


Engineering

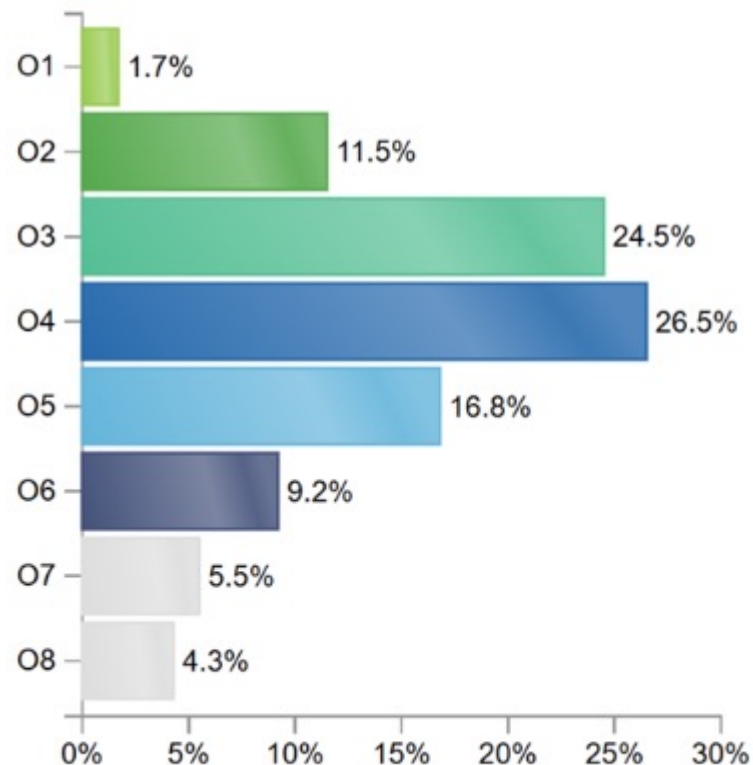
Practical
Group

Distribution of Grades

Higher Level Engineering 2025



Ordinary Level Engineering 2025





In summary

Geography aims to develop students' understanding of the **Earth and its people**, and their interest in and appreciation of the **real world significance of geography**.

Unifying Strand – Applying geographical thinking and skills

Strand 1 – The physical environment

Focusses on physical processes and systems, and human interactions

Strand 2 – The human environment

Focusses on key aspects of human geography including human settlement, population, and migration

Strand 3 – The global environment

Focusses on agriculture and fisheries, tourism, globalisation, development and geopolitics





Geography

Social
Group

Who should Study it?

- Students who are **curious** about **people, places and the environment**
- Students who like to **understand how our environment developed** and **how human activities affect this**
- Students who are **interested in real-world issues** e.g. climate change, migration

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"

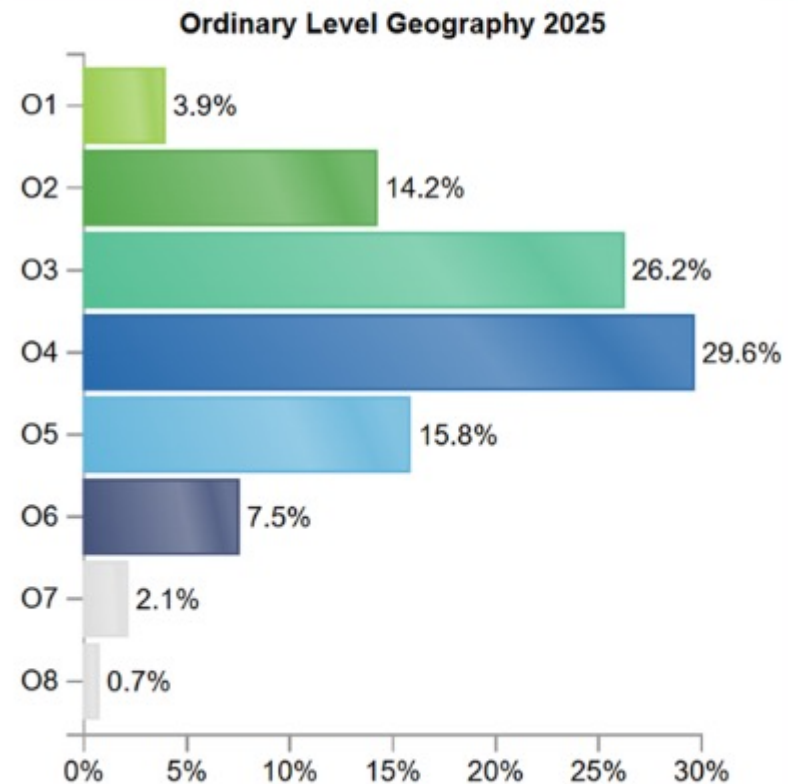
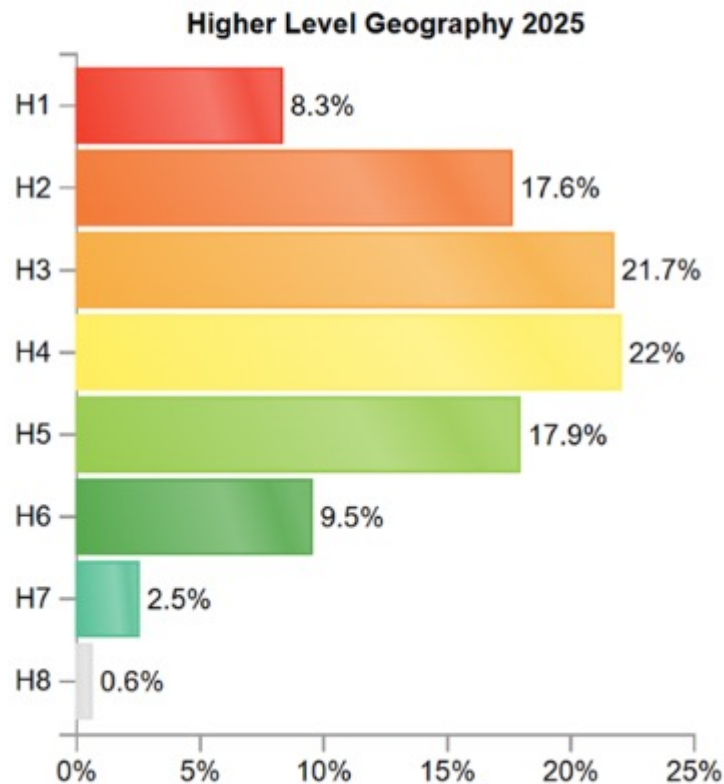


Exam Structure

Assessment Methods		Weighting	Level
	Applied Geography Project	40% of Marks	Common Brief
	Written Examination	60% of Marks	Higher and Ordinary Level
	Oral	-	-
	Aural	-	-
	Performance	-	-



Sample Marks Distribution



BIOLOGY

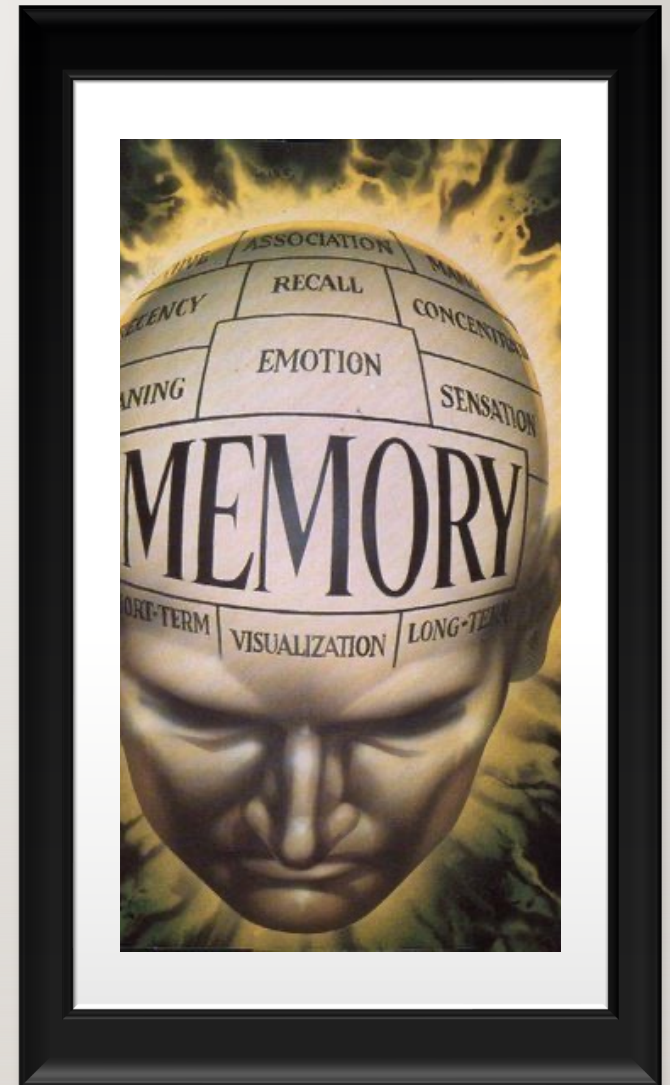
The scope of Biology is wide and varied.

Ecology,

**Molecular Biology &
Biotechnology,**

**Human Physiology, Plant
Physiology, Micro-organisms**

Nature of Science





ECOLOGY

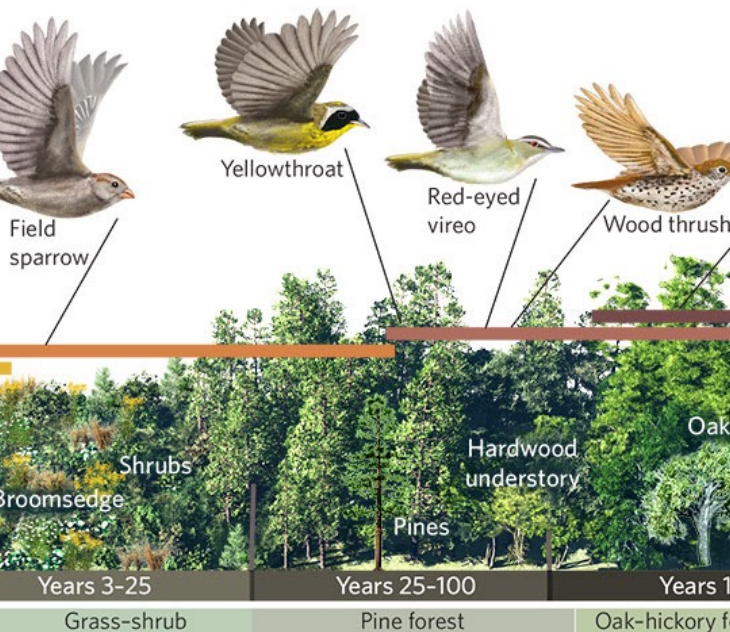
Fieldtrip is mandatory. It covers 4 laboratory experiments out of the 22 mandatory experiments.

Occurs in 5th year

Usually a woodland visit

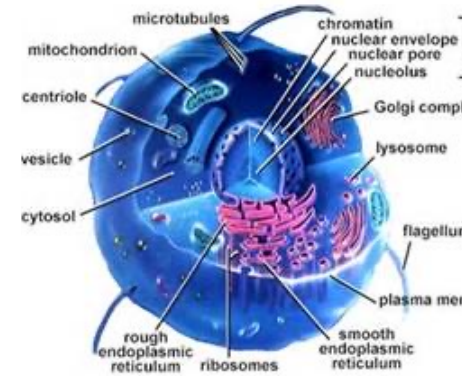
This prepares students for the ecology section in the LC exam

The fieldtrip is an integrated study of animals, human populations and plants as they coexist.



MOLECULAR BIOLOGY

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



PHYSIOLOGY

Human Physiology

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

Plant Physiology

- Reproduction
- Plant Anatomy
- Plant Biochemistry

Micro – Organisms

- Bacteria
- Fungi



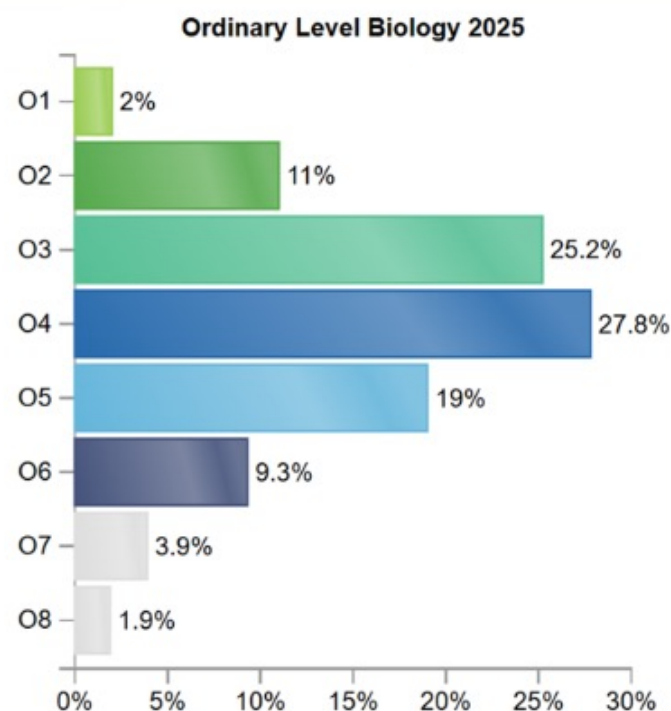
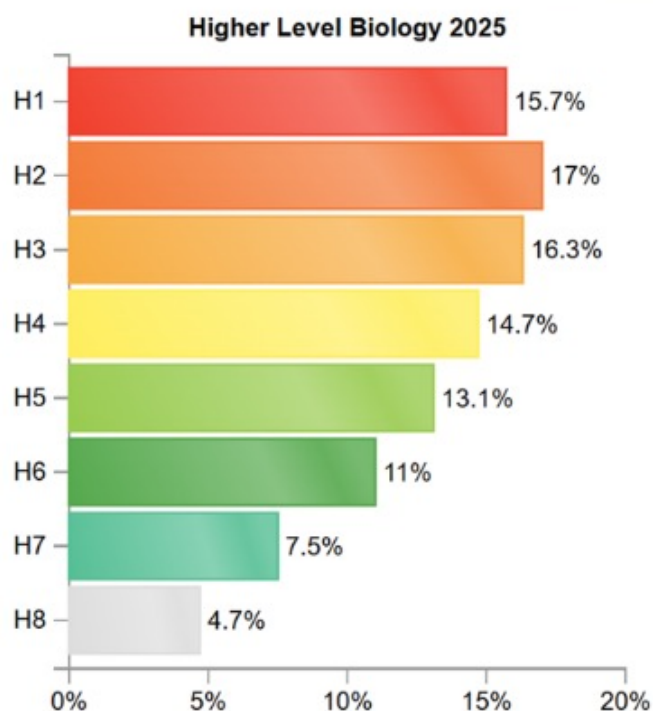


Exam Structure

Assessment Methods		Higher Level	Ordinary Level
	Written Paper	60% of marks	60% of marks
	Biology in Practice Investigation	Common Brief 40% of marks	Common Brief 40% of marks
	Project	-	-
	Oral	-	-
	Aural	-	-
	Performance	-	-



Sample Marks Distribution





Construction Technology

Practical
Group

In summary

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

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

The subject deals with all aspects of the building process from

- **Strand 1 – The Built Environment**
- **Strand 2 – Design, Materials, and Craft Skills**
- **Strand 3 – Building Fabric**
- **Strand 4 – Services and Control Technology**





Construction Technology

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 **technology** and the **built environment**.

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 Technology

Practical
Group

How this subject is examined for the Leaving Certificate

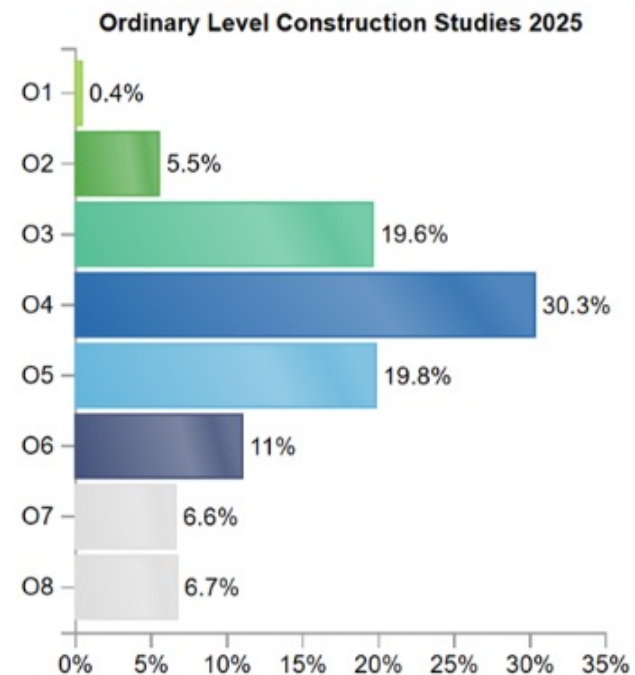
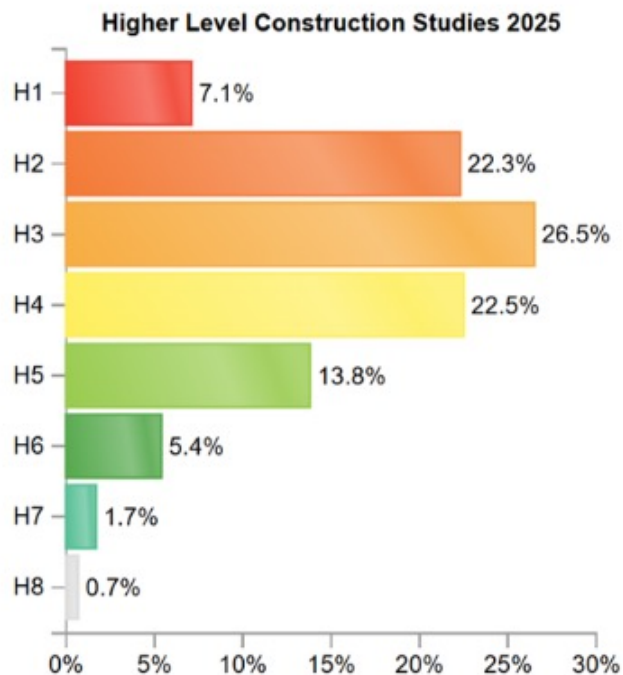
Assessment Methods	Assessment Component	Weighting	Level
	Exploring the Constructed Environment	30% of marks	Common Brief
	Craft Skills Assessment	20% of marks	Common Prescribed Task
	Written Examination	50% of marks	Higher and Ordinary Levels
	Oral	-	-
	Aural	-	-
	Performance	-	-



Construction Technology

Practical
Group

Distribution of Grades



TEACHER COMMENT

- Very difficult to score high in Higher Construction if you don't have a Technology subject 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.

5 STRANDS

1. Nature of Science
2. Nature of Matter
3. Behaviour of Matter
4. Interactions of Matter
5. Matter in our World

Periodic Table of Elements

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18						
1 H Hydrogen 1.008	2 He Helium 4.003																						
3 Li Lithium 6.941	4 Be Beryllium 9.012	5 B Boron 10.81		6 C Carbon 12.01	7 N Nitrogen 14.01	8 O Oxygen 16.00	9 F Fluorine 18.99	10 Ne Neon 20.18															
11 Na Sodium 22.99	12 Mg Magnesium 24.31	13 Al Aluminium 26.98		14 Si Silicon 28.09	15 P Phosphorus 30.97	16 S Sulphur 32.07	17 Cl Chlorine 35.45	18 Ar Argon 39.95															
19 K Potassium 39.10	20 Ca Calcium 40.08	21 Sc Scandium 44.96	22 Ti Titanium 47.88	23 V Vanadium 50.94	24 Cr Chromium 52.00	25 Mn Manganese 54.94	26 Fe Iron 55.85	27 Co Cobalt 58.93	28 Ni Nickel 58.69	29 Cu Copper 63.55	30 Zn Zinc 65.38	31 Ga Gallium 69.72	32 Ge Germanium 72.64	33 As Arsenic 74.92	34 Se Selenium 78.96	35 Br Bromine 79.90	36 Kr Krypton 83.80						
37 Rb Rubidium 85.47	38 Sr Strontium 87.62	39 Y Yttrium 88.91	40 Zr Zirconium 91.22	41 Nb Niobium 92.91	42 Mo Molybdenum 95.94	43 Tc Technetium [98]	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.91	46 Pd Palladium 106.42	47 Ag Silver 107.87	48 Cd Cadmium 112.41	49 In Indium 114.82	50 Sn Tin 118.71	51 Sb Antimony 121.76	52 Te Tellurium 127.60	53 I Iodine 126.91	54 Xe Xenon 131.29						
55 Cs Cesium 132.91	56 Ba Barium 137.33	57 La Lanthanum 138.91	58 Ce Cerium 140.12	59 Pr Praseodymium 140.91	60 Nd Neodymium 144.24	61 Pm Promethium [145]	62 Sm Samarium 150.36	63 Eu Europium 151.96	64 Gd Gadolinium 157.25	65 Tb Terbium 158.93	66 Dy Dysprosium 162.50	67 Ho Holmium 164.93	68 Er Erbium 167.26	69 Tm Thulium 168.93	70 Yb Ytterbium 173.05	71 Lu Lutetium 174.97	72 Hf Hafnium 178.49						
73 Ta Tantalum 180.95	74 W Tungsten 183.84	75 Re Rhenium 186.21	76 Os Osmium 190.23	77 Ir Iridium 192.22	78 Pt Platinum 195.08	79 Au Gold 196.97	80 Hg Mercury 200.59	81 Tl Thallium 204.38	82 Pb Lead 207.2	83 Bi Bismuth 208.98	84 Po Polonium [209]	85 At Astatine [210]	86 Rn Radon [222]	87 Fr Francium [223]	88 Ra Radium [226]	89 Ac Actinium [227]	90 Th Thorium 232.04						
91 Pa Protactinium 231.04	92 U Uranium 238.03	93 Np Neptunium [237]	94 Pu Plutonium [244]	95 Am Americium [243]	96 Cm Curium [247]	97 Bk Berkelium [247]	98 Cf Californium [251]	99 Es Einsteinium [252]	100 Fm Fermium [257]	101 Md Mendelevium [258]	102 No Nobelium [259]	103 Lr Lawrencium [262]	104 Rf Rutherfordium [261]	105 Db Dubnium [262]	106 Sg Seaborgium [266]	107 Bh Bohrium [264]	108 Hs Hassium [277]						
109 Mt Meitnerium [268]	110 Ds Darmstadtium [271]	111 Rg Roentgenium [272]	112 Cn Copernicium [285]	113 Nh Nihonium [284]	114 Fl Flerovium [289]	115 Mc Moscovium [288]	116 Lv Livermorium [293]	117 Ts Tennessine [294]	118 Og Oganesson [294]														

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

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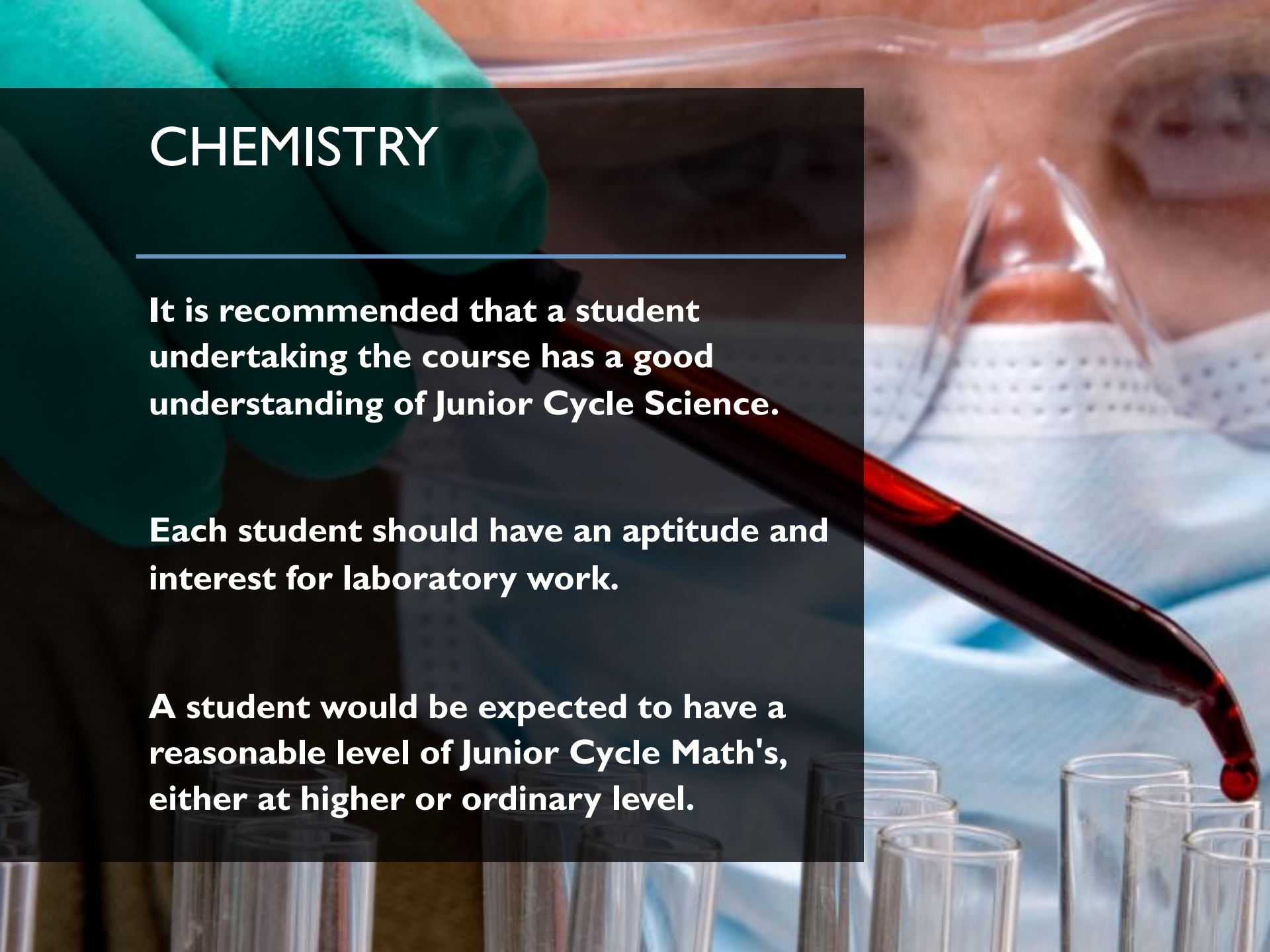
Plable.com

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.

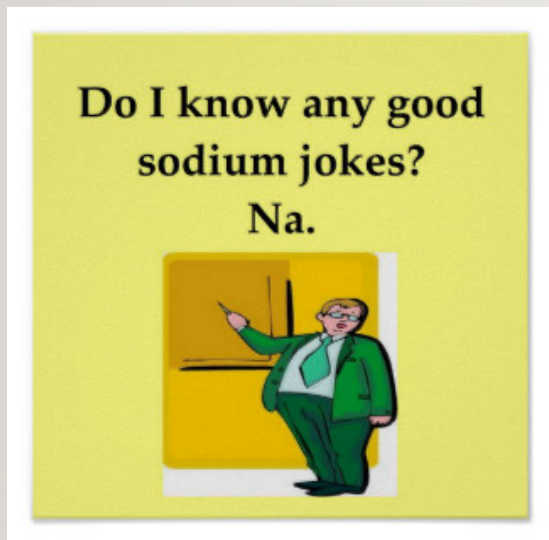




Exam Structure

Assessment Methods		Higher Level	Ordinary Level
	Written Paper	60% of marks	60% of marks
	Chemistry in Practice Investigation	Common Brief 40% of mark	Common Brief 40% of mark
	Project		
	Oral	-	-
	Aural	-	-
	Performance	-	-

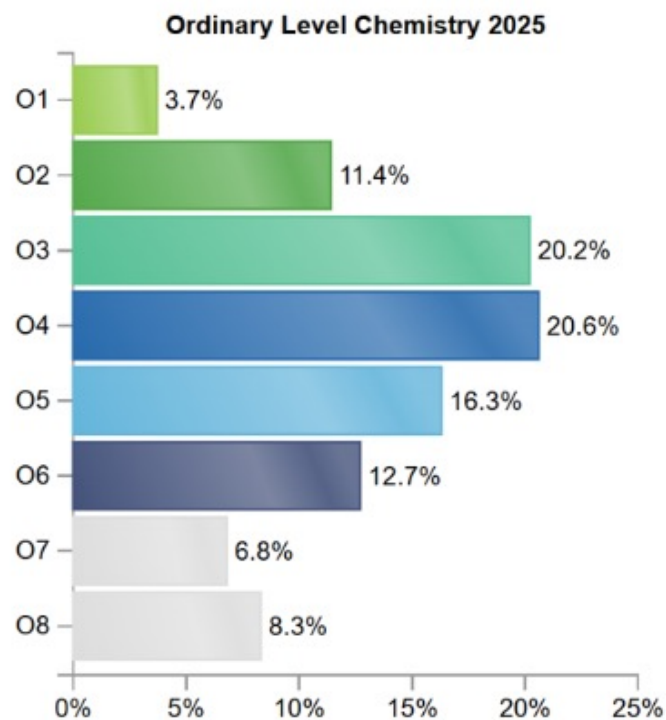
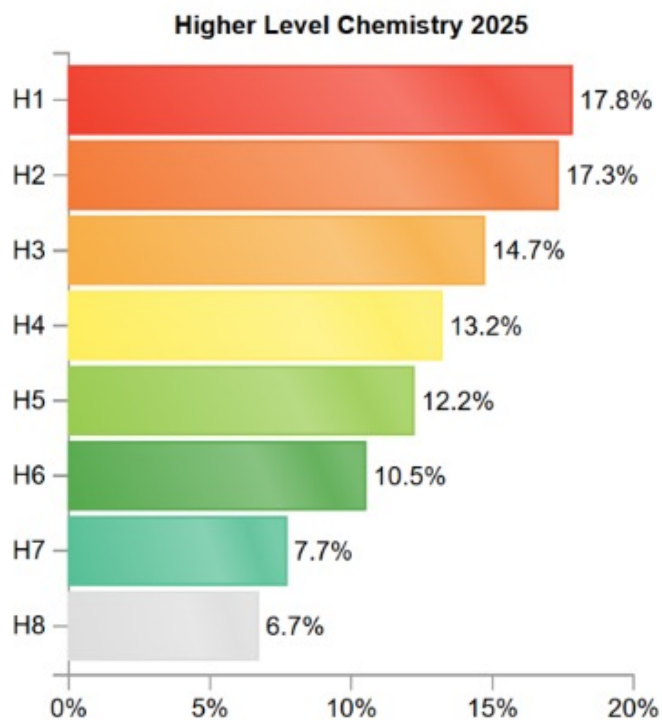
ADVICE FROM CHEMISTRY TEACHER



- 1. Upwards of 24 chemistry experiments and plenty of scope project ideation.**
- 2. Subject relevant for today's world.**
- 3. It is also a subject or career that is international and would facilitate travel.**
- 4. If one is studying any science, engineering or a technology course at third level, chemistry will appear as an exam module.**



Sample Marks Distribution





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-

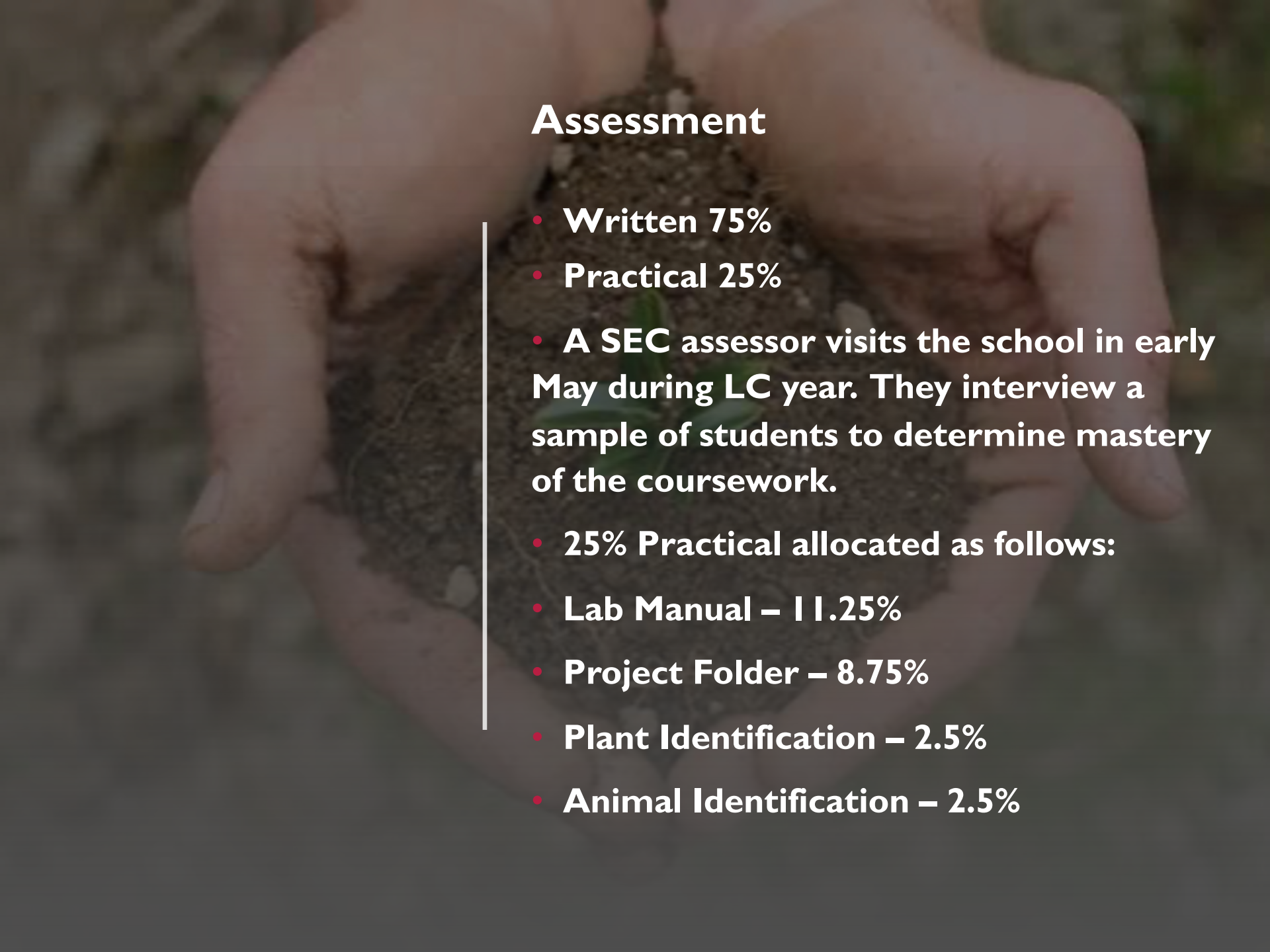
Scientific Practices: Evidence, Communicating, Working Safely.

Soils: Classification, Properties and Management.

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

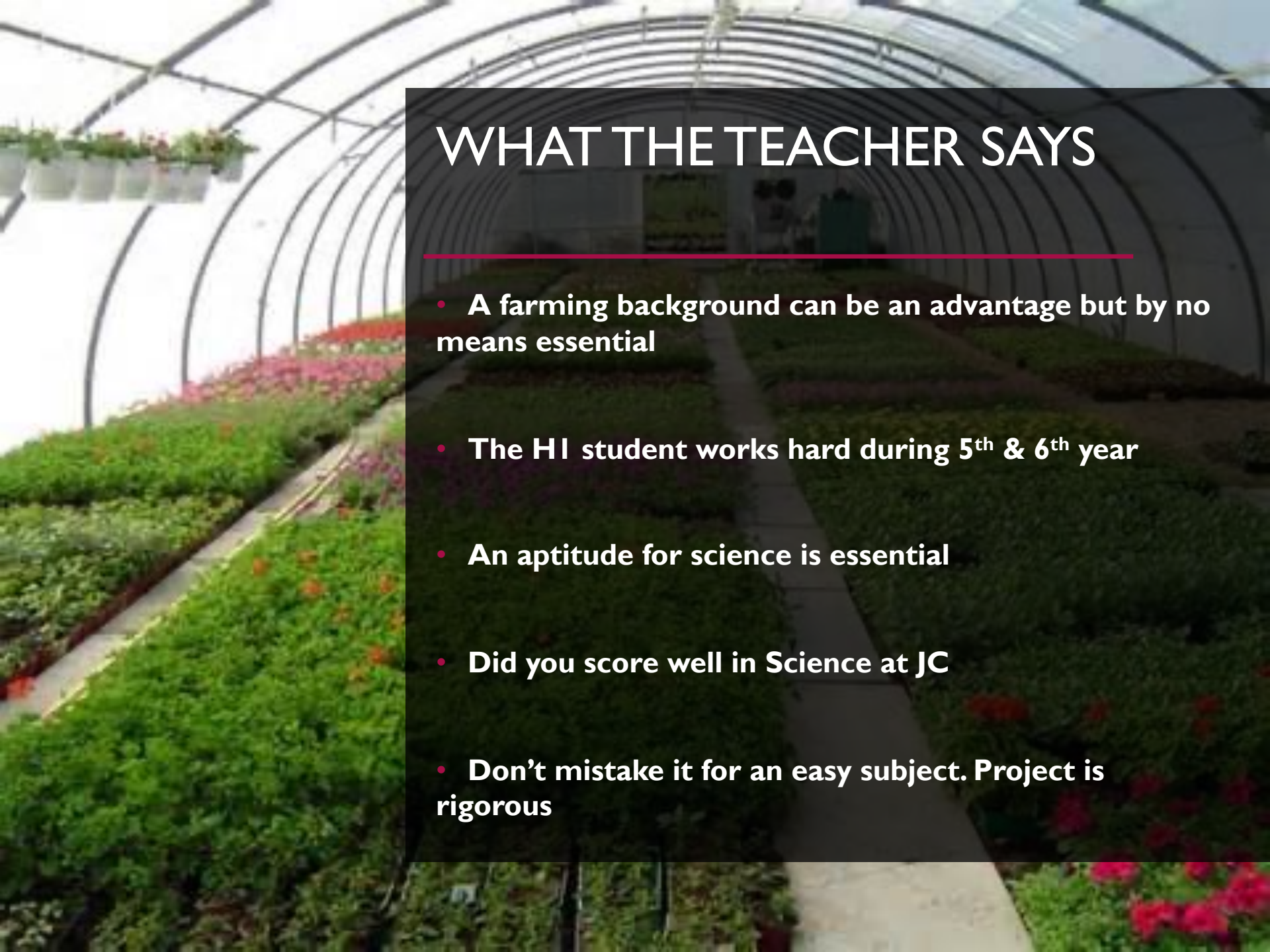
Animals: Animal Physiology, Classification/Identification, Production



A background image showing a pair of hands cupped together, holding dark brown soil. A small green seedling with two leaves is growing out of the soil in the center. The image is slightly blurred and has a dark overlay to make the text stand out.

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%**



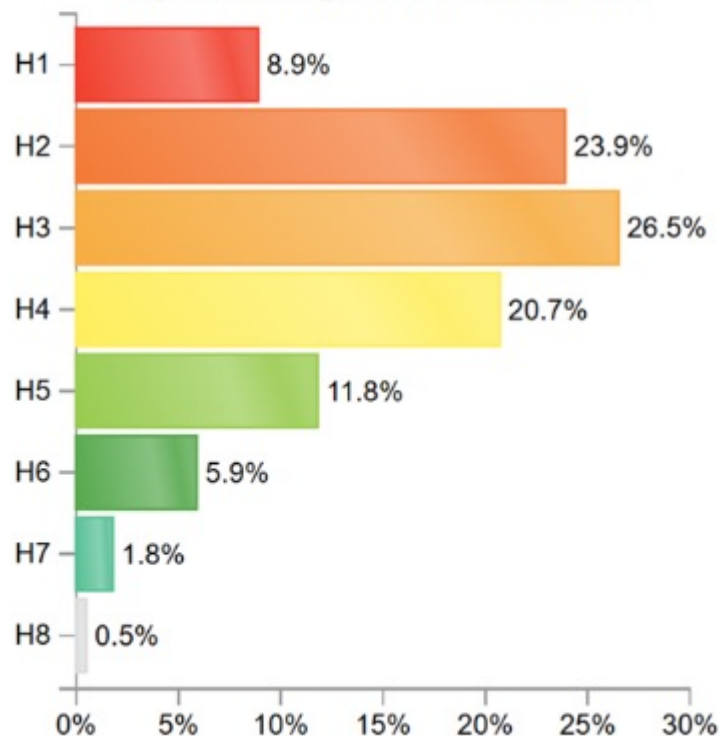
WHAT THE TEACHER SAYS

- 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

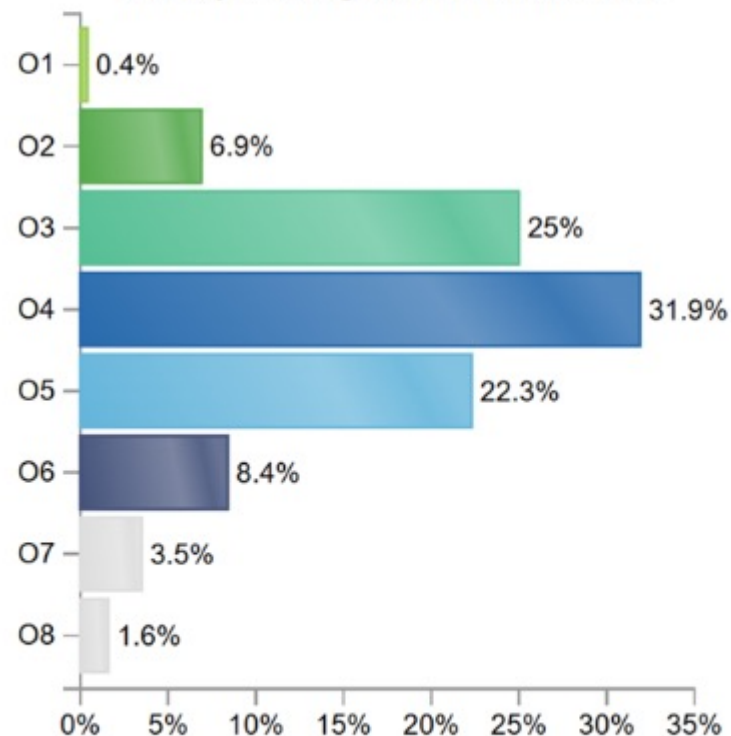


Sample Marks Distribution

Higher Level Agricultural Science 2025



Ordinary Level Agricultural Science 2025





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

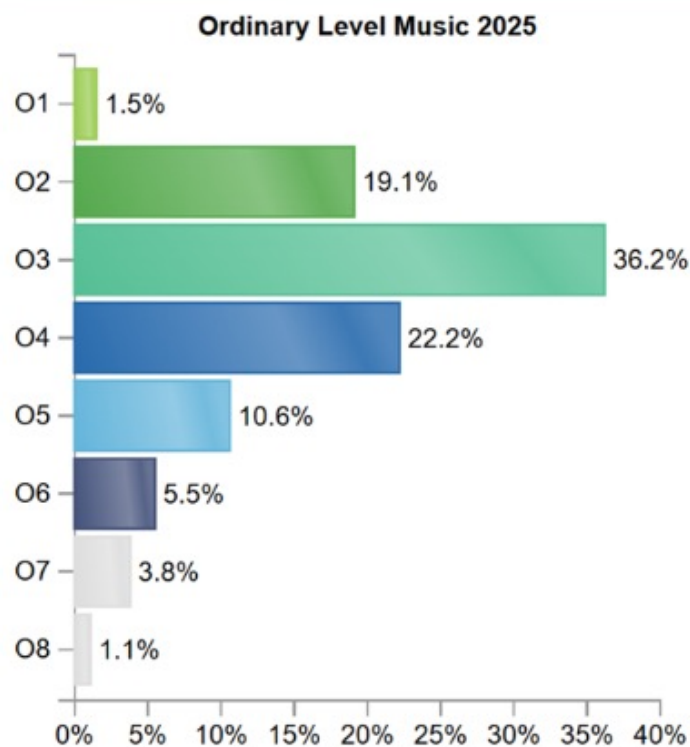
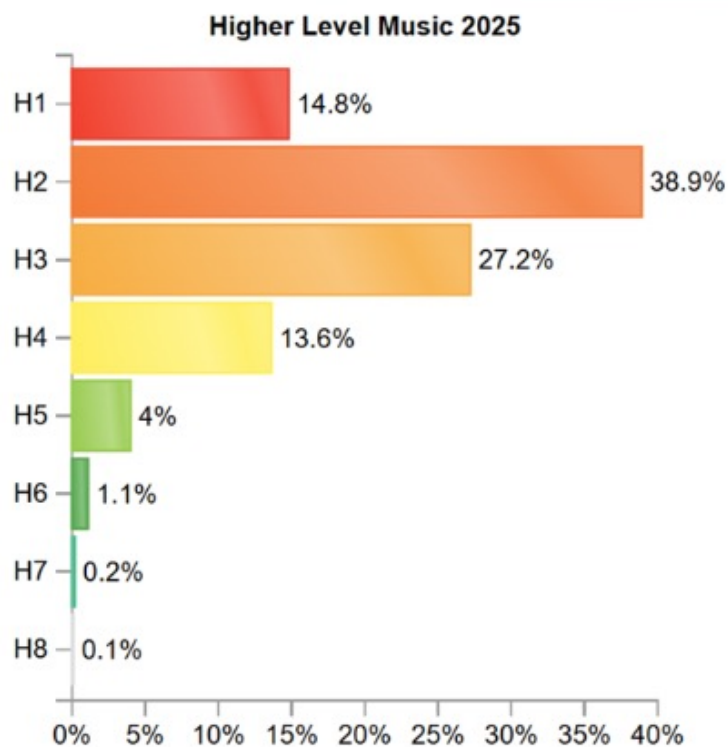
Assessment Methods		Higher Level	Ordinary Level
	Written Paper	-	-
	Composing	25% of marks	Choice of 50% / 25% of marks
	Project	(Higher Level Elective) – 25%	-
	Oral	-	-
	Aural	25% of marks	Choice of 50% / 25% of marks
	Performance	25% of marks	Choice of 50% / 25% of marks



Music

Artistic and Creative Group

Sample Marks Distribution





Technology

Practical
Group

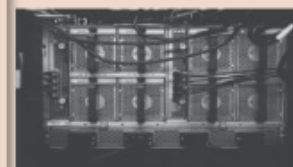
In summary

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

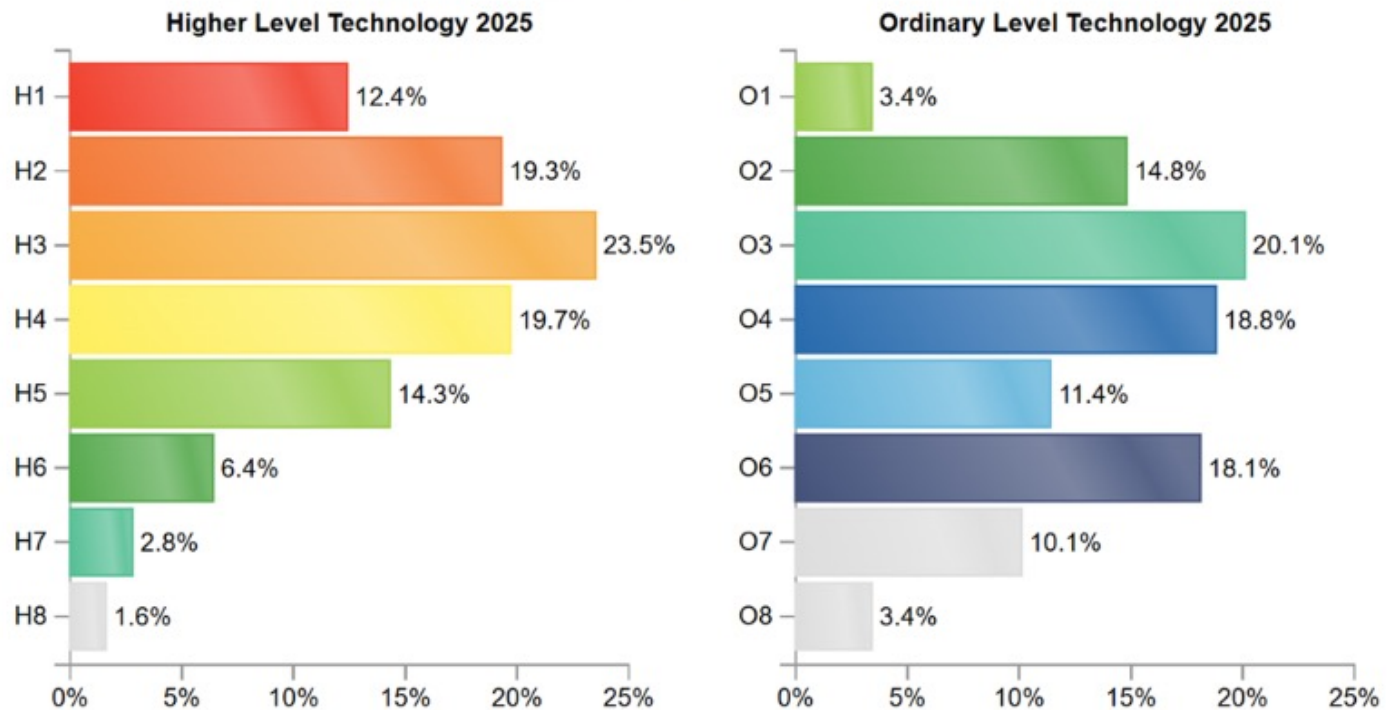
Assessment Methods		Higher Level	Ordinary Level
	Written Paper	50% of marks	50% of marks
	Practical	-	-
	Project	50% of marks	50% of marks
	Oral	-	-
	Aural	-	-
	Performance	-	-



Technology

Practical
Group

Distribution of Grades





Physical Education

Practical
Group

In summary

Physical Education develops the student's capacity to become an informed, skilled, self-directed and **reflective physical activity participant** through practical application of **knowledge and skills**.

Strand 1 – Skill learning, participation and performance

Strand 2 – Physical and psychological demands of performance

Strand 3 – Factors influencing participation in physical activity

Active participation in **Physical Activity** is central to Physical Education. Students learn the core concepts relating to **physical activity** from the **six designated physical activity areas** - Athletics, Aquatics, Gymnastics, Dance, Adventure & Games.





Physical Education

Practical
Group

Who Should Study it?

- Students who have an **interest** and a **talent** for a **physical activity** and who are **prepared to work on the theory** side also
- Students who are **interested** in **how the body works**
- This subject **would benefit anyone** for whom **participation in sports or other physical activities** is an important part of daily life

Career Interest Type Most Suited

REALIST



"To develop a student's ability to participate in and understand the importance of Physical Education and Physical Activity"



Physical Education

Practical
Group

How this subject is examined for the Leaving Certificate

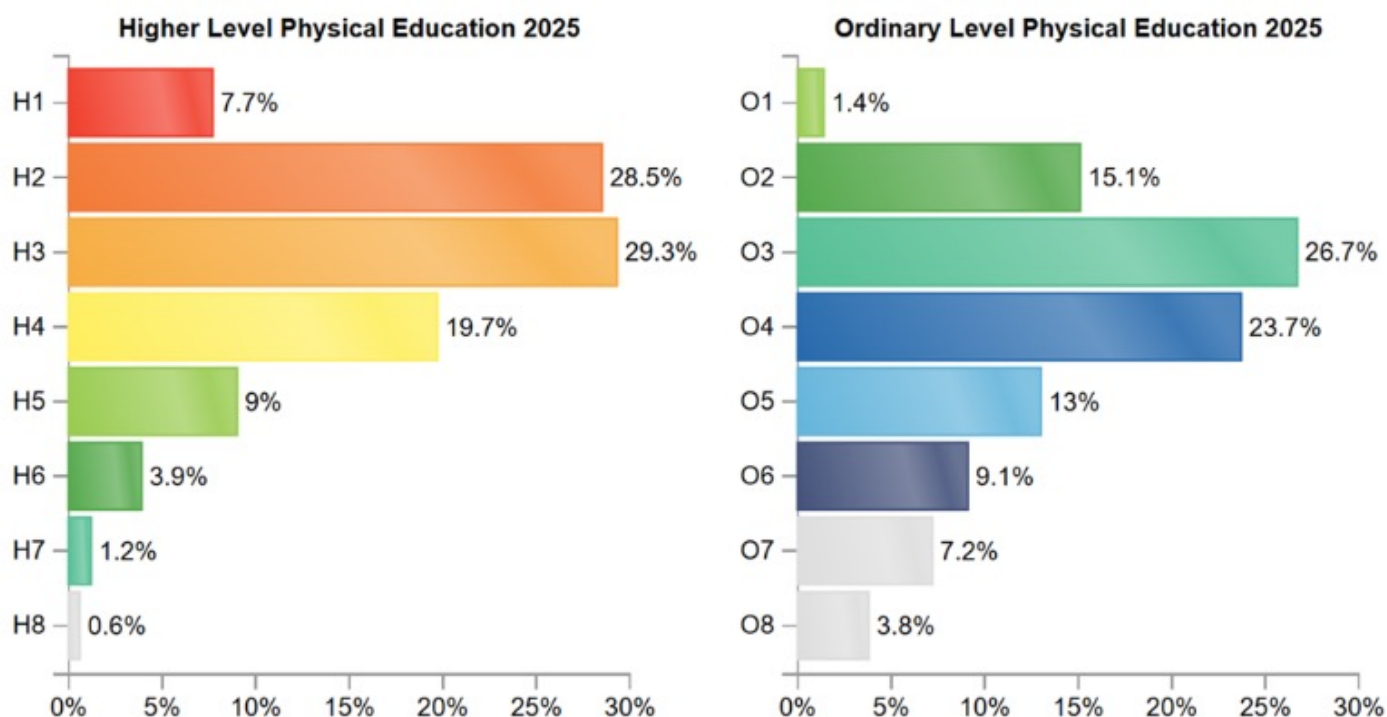
Assessment Methods		Weighting	Level
	Physical Education Project	50% of marks	Common Brief
	Written Examination	50% of marks	Higher and Ordinary Levels
	Oral	-	-
	Aural	-	-
	Performance	-	-



Physical Education

Practical
Group

Distribution of Grades



**WHEN
CHOOSING**

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**

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

One laboratory science
subject required for
Nursing

SCIENCE

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

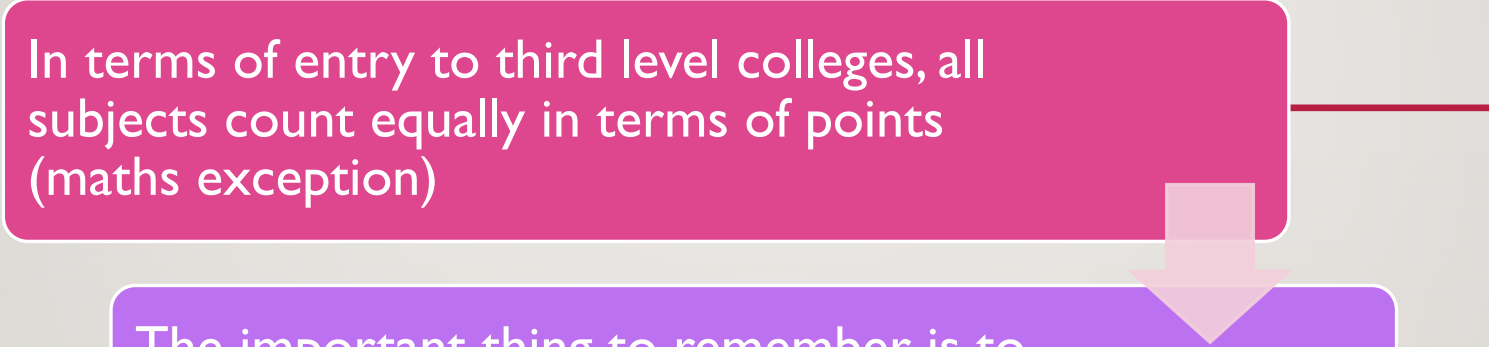
Optometry

Radiography

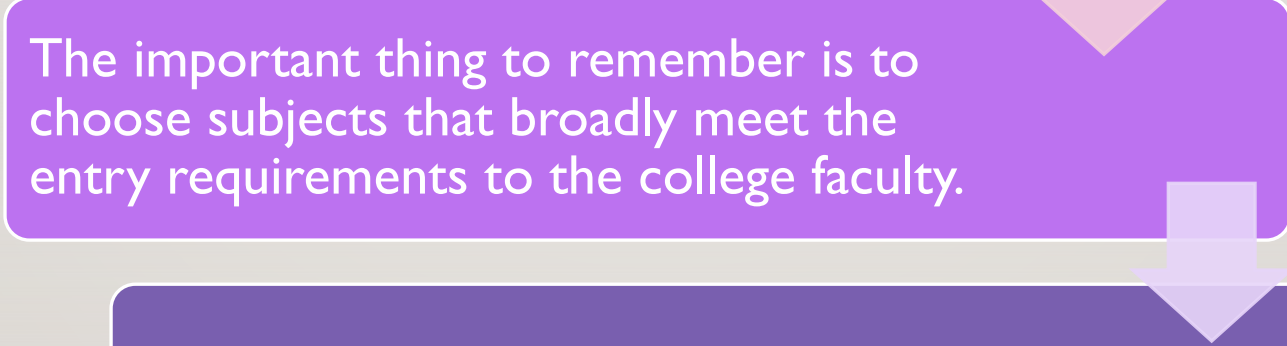
Nursing

ALL SUBJECTS ARE EQUAL

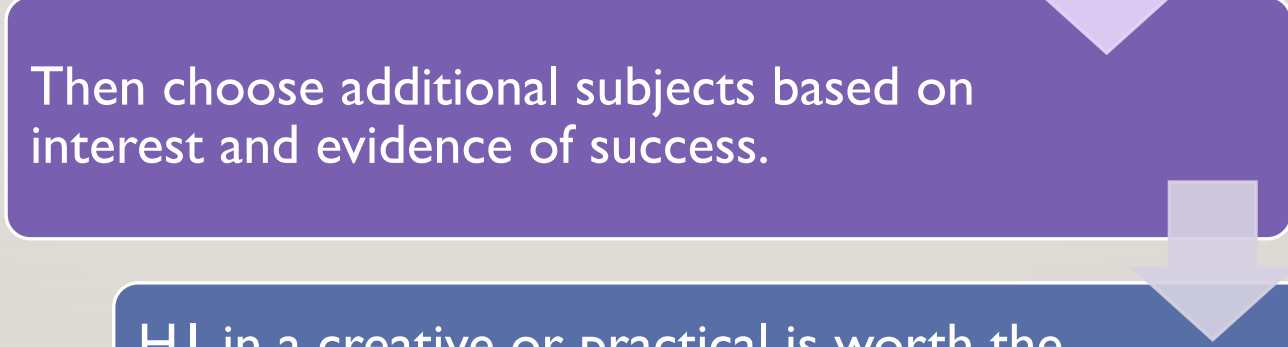
In terms of entry to third level colleges, all subjects count equally in terms of points (maths exception)



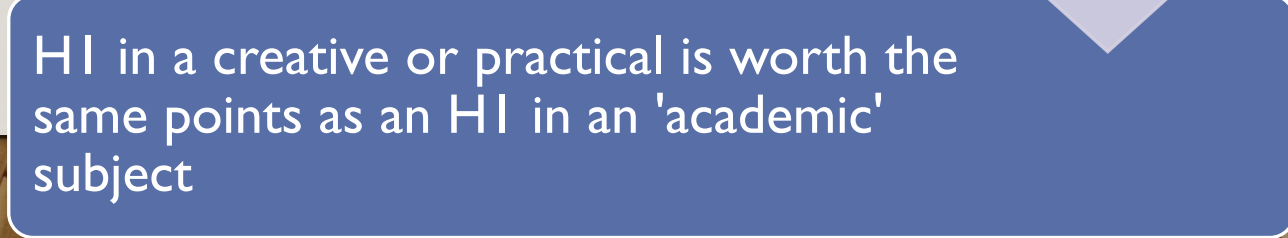
The important thing to remember is to choose subjects that broadly meet the entry requirements to the college faculty.



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



HI in a creative or practical is worth the same points as an HI in an '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 Clonfert College is structured on all students studying 7 subjects



CLOSING DOORS

Dropping science can close doors at this stage.

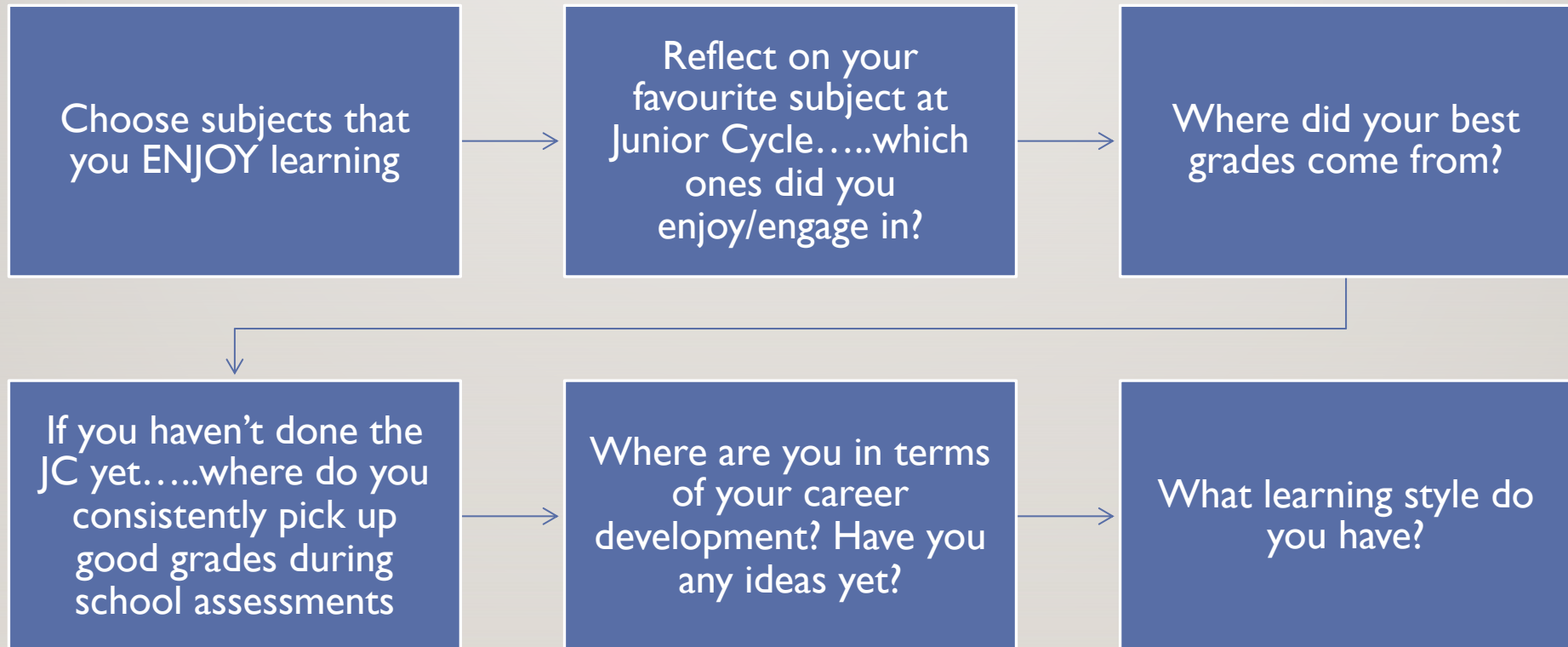
```
graph TD; A[Dropping science can close doors at this stage.] --> B[Find out the specific requirements needed for your area of interest.]; B --> C[Consult with your Guidance Counsellor]; C --> D[Consult as a FAMILY – GUIDE YOUR SON/DAUGHTER THROUGH THE PROCESS];
```

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

Consult with your Guidance Counsellor

Consult as a FAMILY – GUIDE YOUR SON/DAUGHTER THROUGH THE PROCESS

WHAT TO CONSIDER WHEN CHOOSING





CAT 4

FIRST YEAR & TY

PROBLEM SOLVING EMPHASIS

CAT 4 TESTING

First Year & TY



HOW DOES IT RELATE
TO SUBJECT CHOICE IN
CLONFERT COLLEGE?

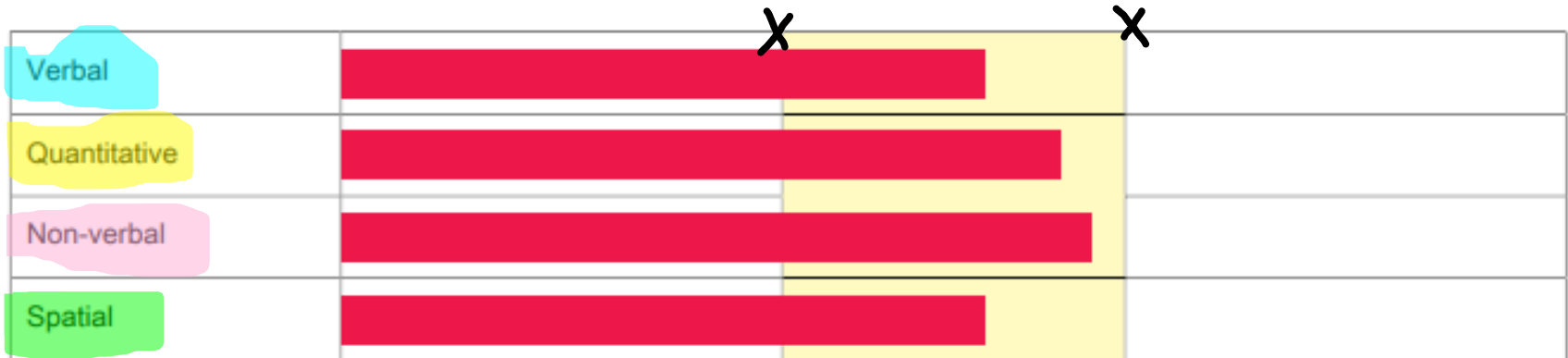
Name: [REDACTED]			
School: Garbally College			
Group:			
Date of test: [REDACTED]	Level: G	Age: [REDACTED]	Sex: Male

Profile

BELOW

AVERAGE

ABOVE



Name: [REDACTED]

School: Garbally College

Group:

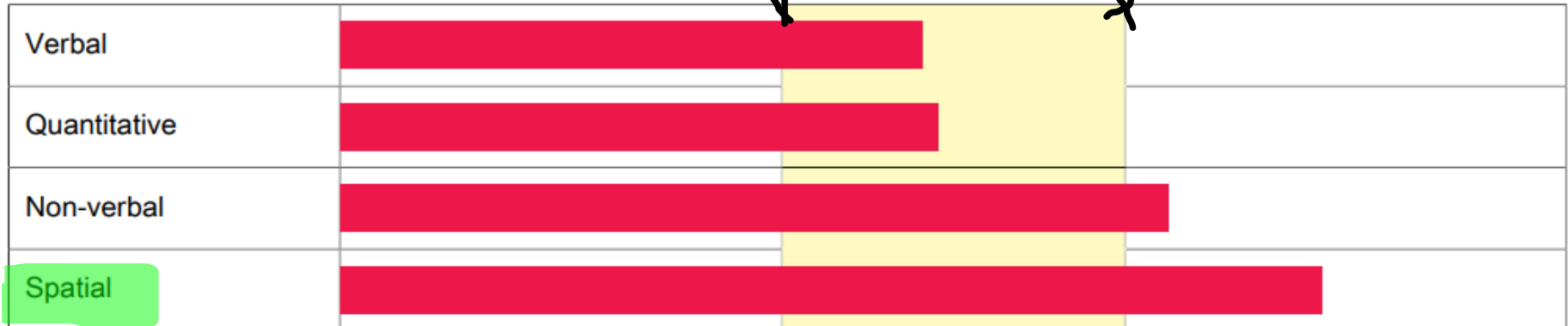
Date of test: 03/03/2025

Level: G

Age: [REDACTED]

Sex: Male

Profile



Indicators for Leaving Certificate

Subject	 Most likely grade achieved	 'If challenged' grade achieved	Leaving Certificate								
			O5 or lower	O4	O3	H6/O2	H5/O1	H4	H3	H2	H1
Art	H3	H2									
Chemistry	H3	H2									
Construction Studies	H3	H2									
Business	H4	H3									
Geography	H4	H3									
History	H4	H3									
Home Economics	H4	H3									
Physics	H4	H3									
Biology	H5/O1	H4									
English	H5/O1	H4									
Maths	H5/O1	H4									
French	H6/O2	H5/O1									
Irish	O3	H6/O2									

Subjects In Report	Missing from Report, but offered in Clonfert	Guidance for students interpreting Report	Missing from Report, some students take outside school
Art	DCG	Art (Links in part to DCG & Technology)	Religion
Biology	Technology	Biology (Links to PE & Ag Science)	Political Science
Business	Engineering	Business (Links in parts to Economics)	Applied Maths
Chemistry	Economics	Construction Studies (Strong Links to aptitudes in Engineering , possibly Technology)	
Construction Studies	Accounting		
English	Ag Science	French (Links to German & Spanish)	
French	PE		
Geography	German	History (Links to Political Science & Religion)	
History	Spanish	Home Economics links to PE	
Home Economics	Music	Maths (Link in part to DCG & Economics & Accounting)	
Irish		Physics (Links to DCG & Applied Maths)	
Maths		Maths and english ability and musicality are strong indicators for success in Music	
Physics			

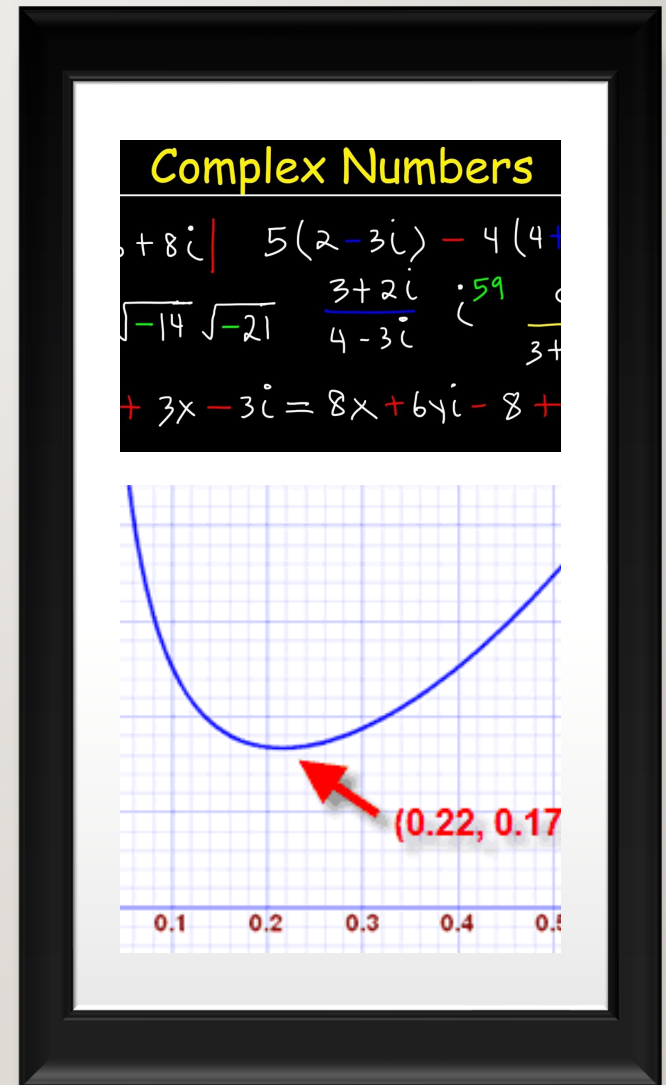


SUBJECTS WITH SKILLS EMPHASIS ON VERBAL REASONING

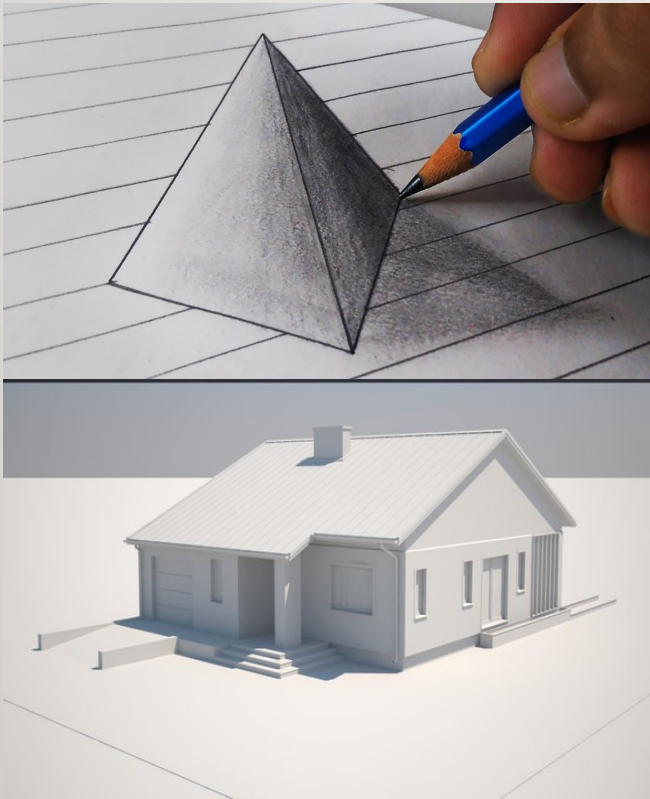
- **ENGLISH**
- **HISTORY**
- **LANGUAGES**
- **BUSINESS**
- **GEOGRAPHY**
- **HOME ECONOMICS**
- **BIOLOGY**
- **ART**

SUBJECTS WITH SKILLS EMPHASIS ON NUMERICAL REASONING

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



SUBJECTS WITH SKILLS EMPHASIS ON **SPATIAL REASONING**



DCG

ART

CONSTRUCTION STUDIES

ENGINEERING

CHEMISTRY

BIOLOGY

PHYSICAL EDUCATION

PHYSICS

MUSIC

TECHNOLOGY

ECONOMICS

GEOGRAPHY

SUBJECTS WITH SKILLS EMPHASIS ON NON VERBAL REASONING



DCG

ART

CONSTRUCTION
STUDIES

ENGINEERING

AGRICULTURAL
SCIENCE

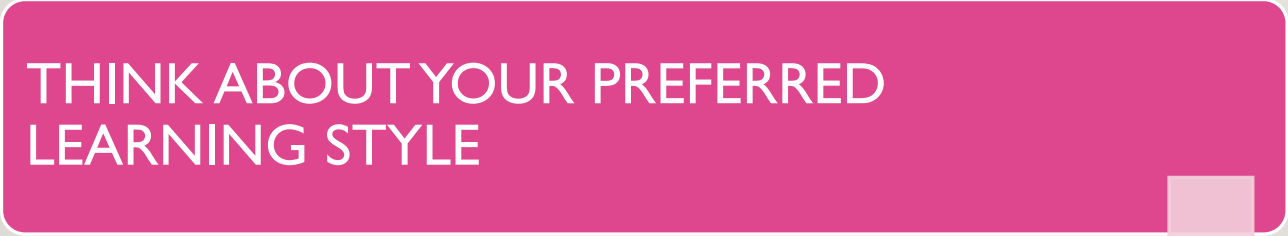
HOME
ECONOMICS

CHEMISTRY

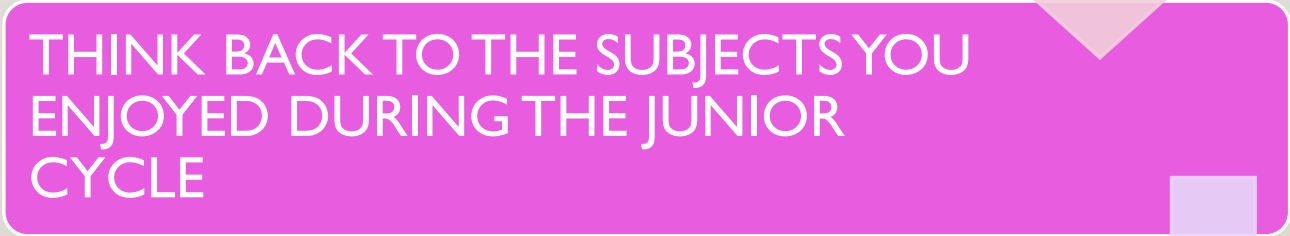


WHEN CHOOSING...

THINK ABOUT YOUR PREFERRED
LEARNING STYLE



THINK BACK TO THE SUBJECTS YOU
ENJOYED DURING THE JUNIOR
CYCLE



WHICH LEARNING ENVIRONMENTS
SUITED YOU?





AUDITORY LEARNER

- Loves music, radio, podcasts
- Enjoys narrative style learning
- Happy to sit in class and listen to subject teacher when interested



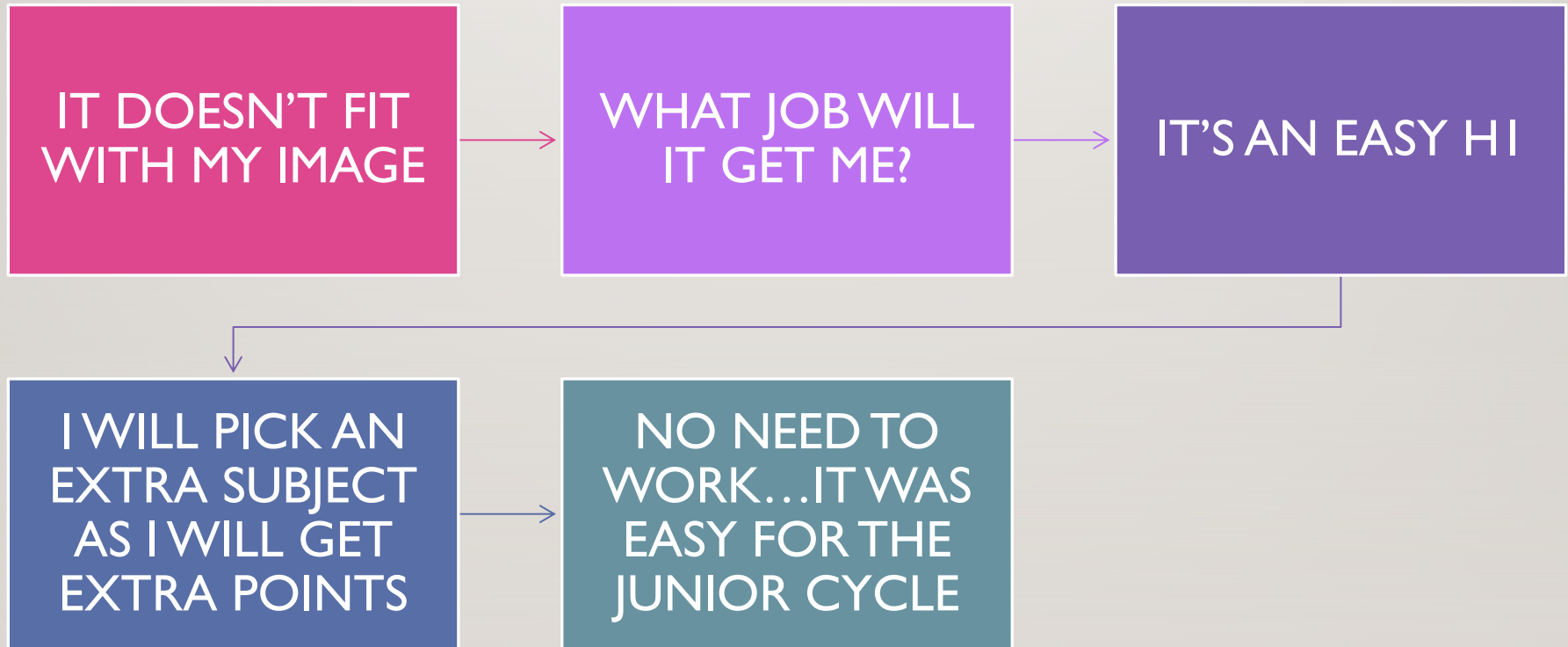
VISUAL LEARNER

- You Tube
- Sketching
- Diagrams
- Doodler
- Observation
- Multi Media



KINESTHETIC – LEARN BY DOING

AVOID THESE IDEAS!

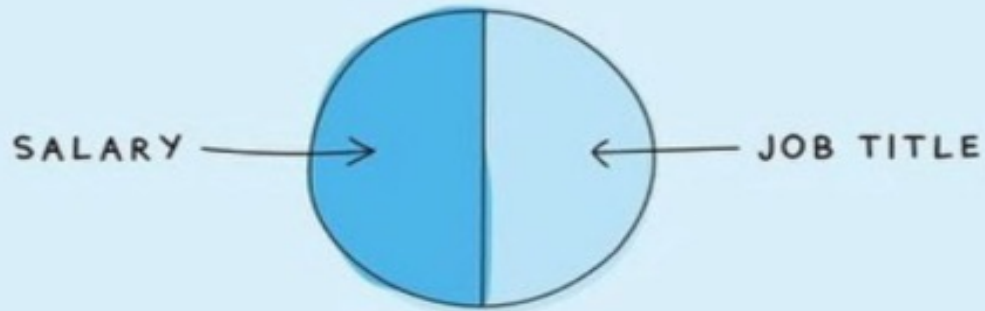


AND ESPECIALLY THIS ONE..



-
- 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/career pathway that you enjoy because you trusted your instinct.

HOW WE'RE TAUGHT TO MEASURE SUCCESS



A BETTER MEASURE

