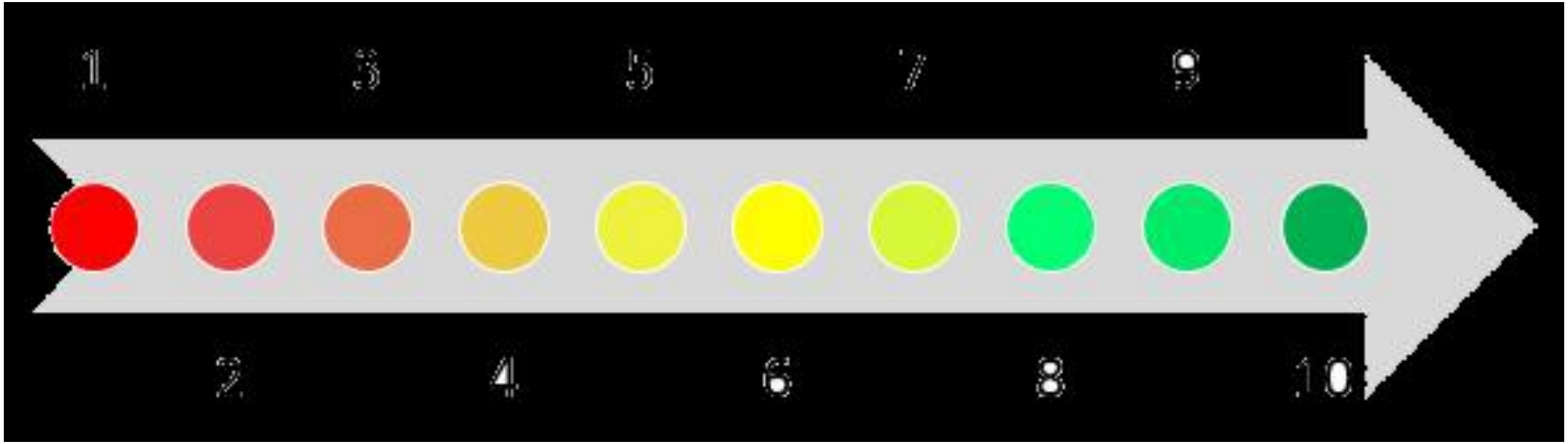
3rd year Subject Options & Study Skills

Guidance Department

Scaling- Have you thought about senior cycle subjects?



Learning Objectives

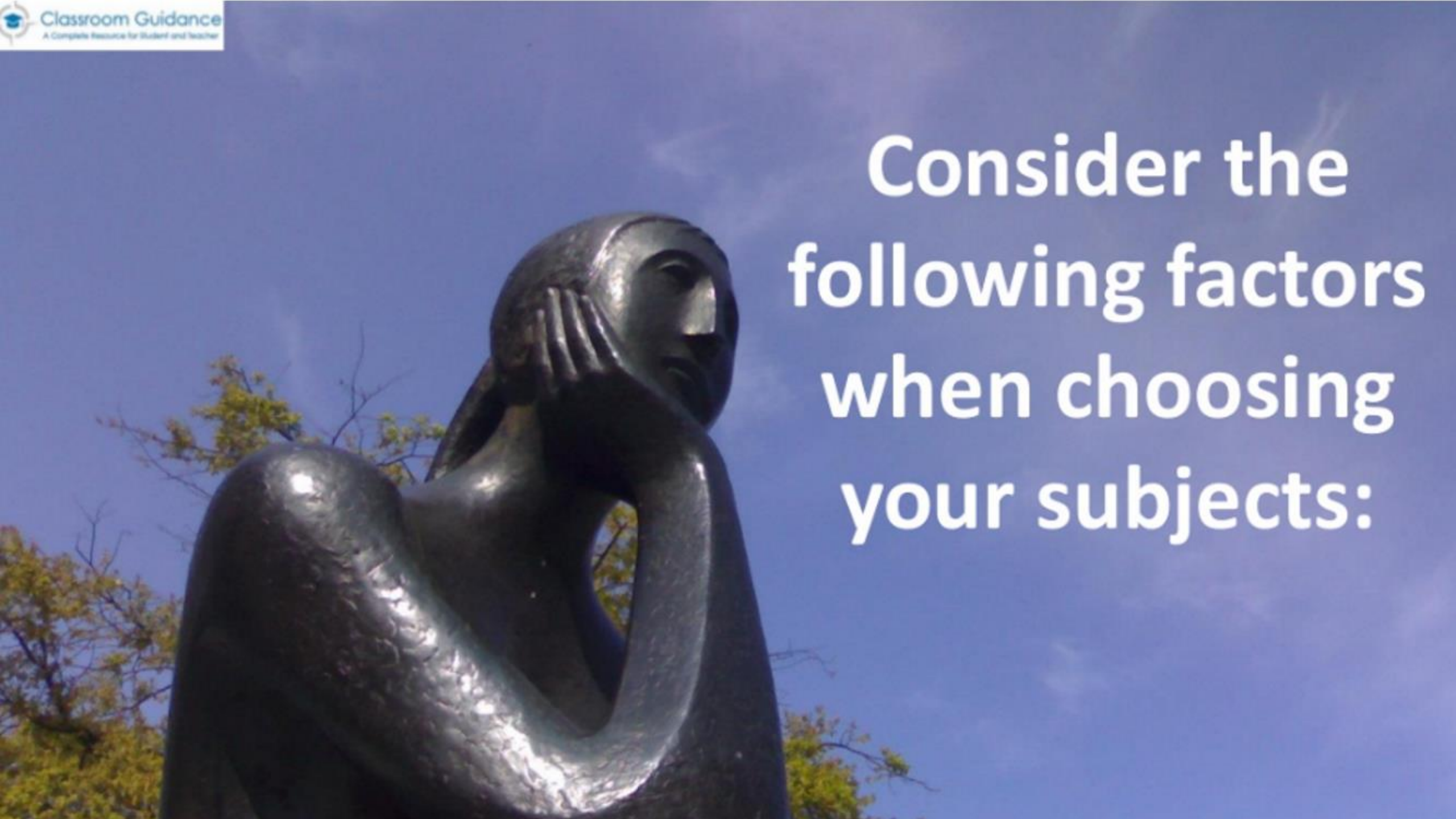
- To gain an understanding of the different subjects in senior cycle.
- To narrow down what subjects you would like to keep on.
- Gain an understanding of what subjects are needed for particular course/careers



Leaving Cert Subject Choice

Things to Consider

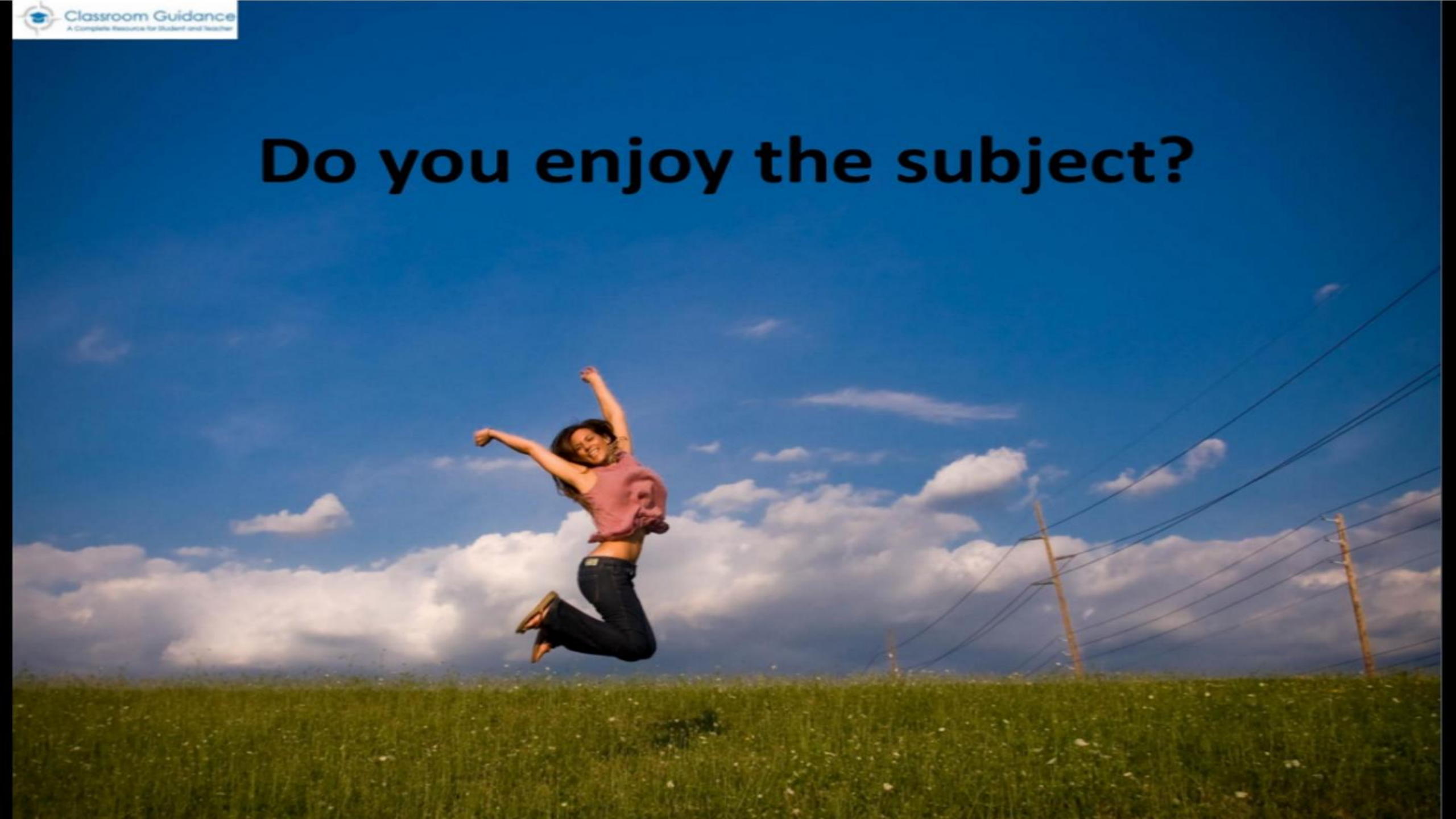
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Consider the following factors when choosing your subjects:

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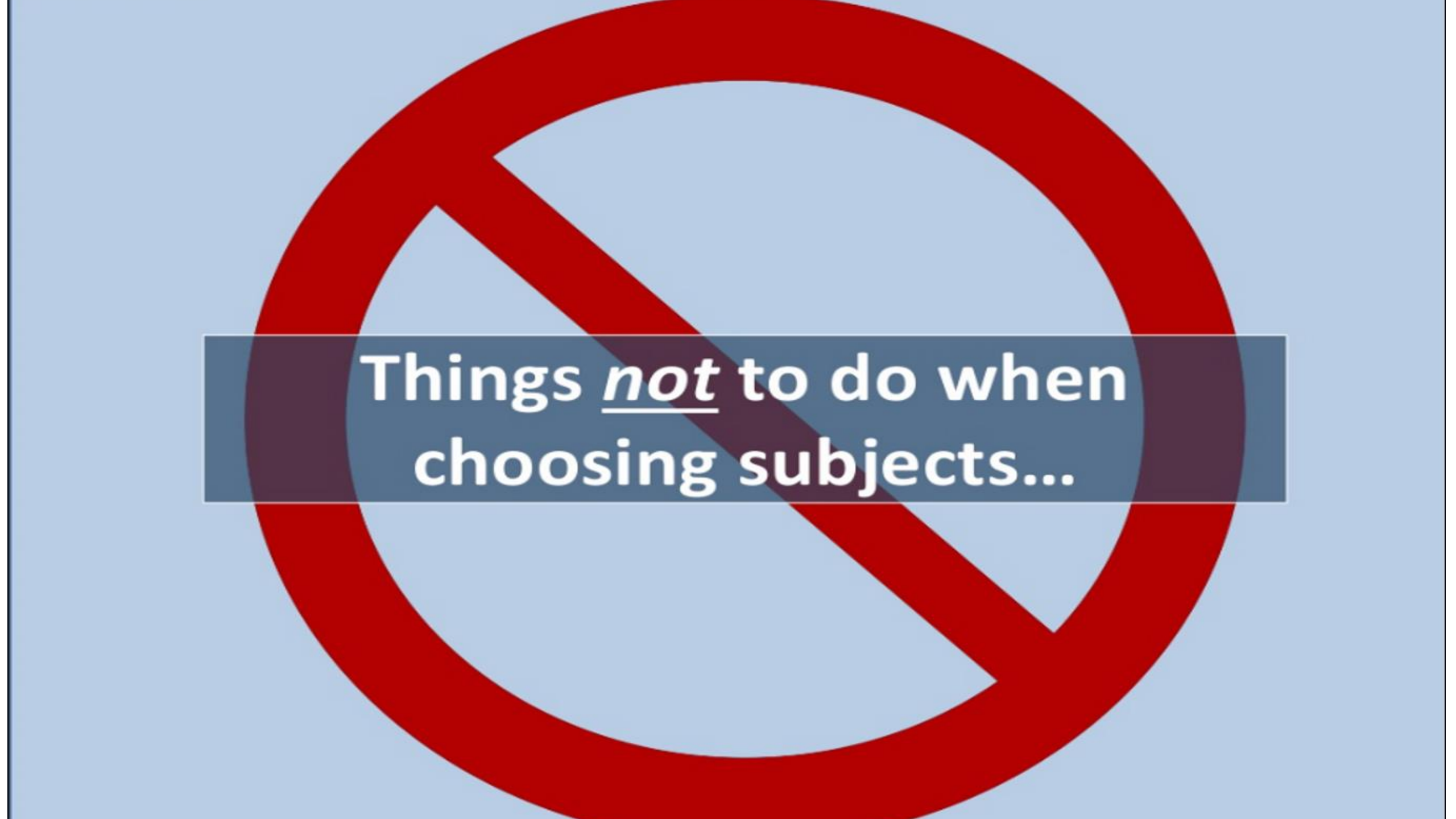
Do you enjoy the subject?



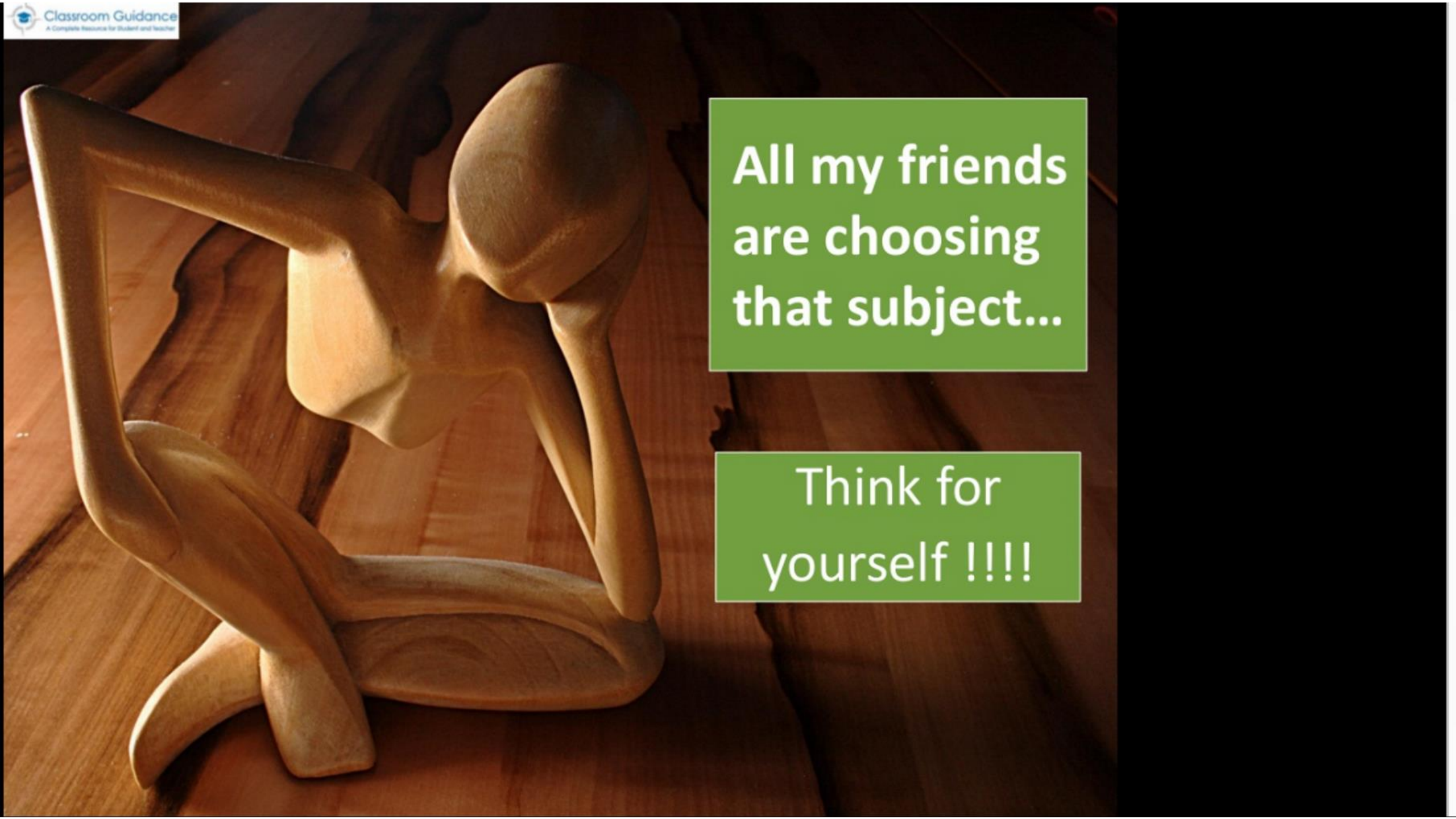

Are you interested?

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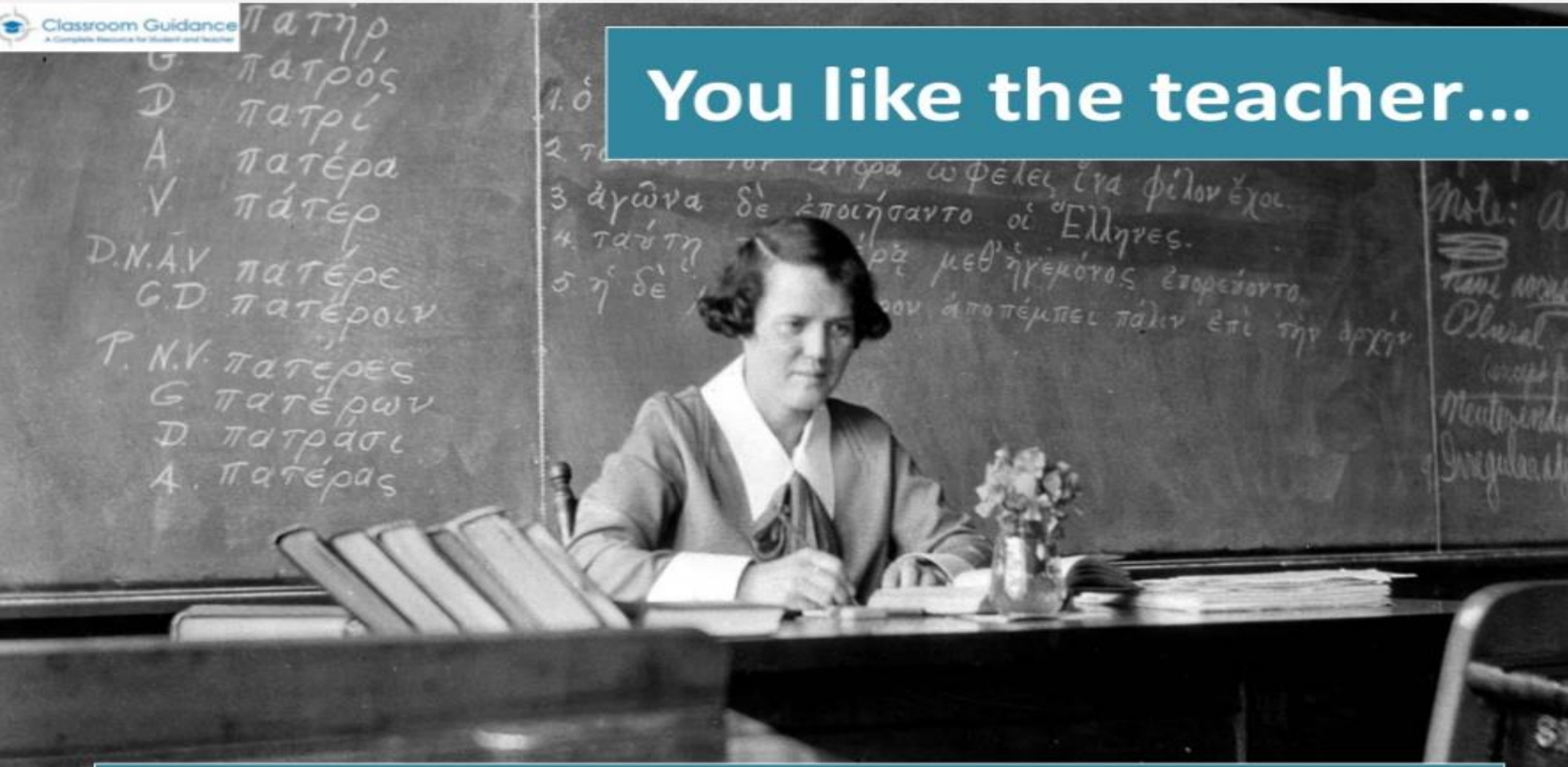

Things *not* to do when
choosing subjects...


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Thinking you can mess in that teacher's class.
You will learn very little. You will regret it!!

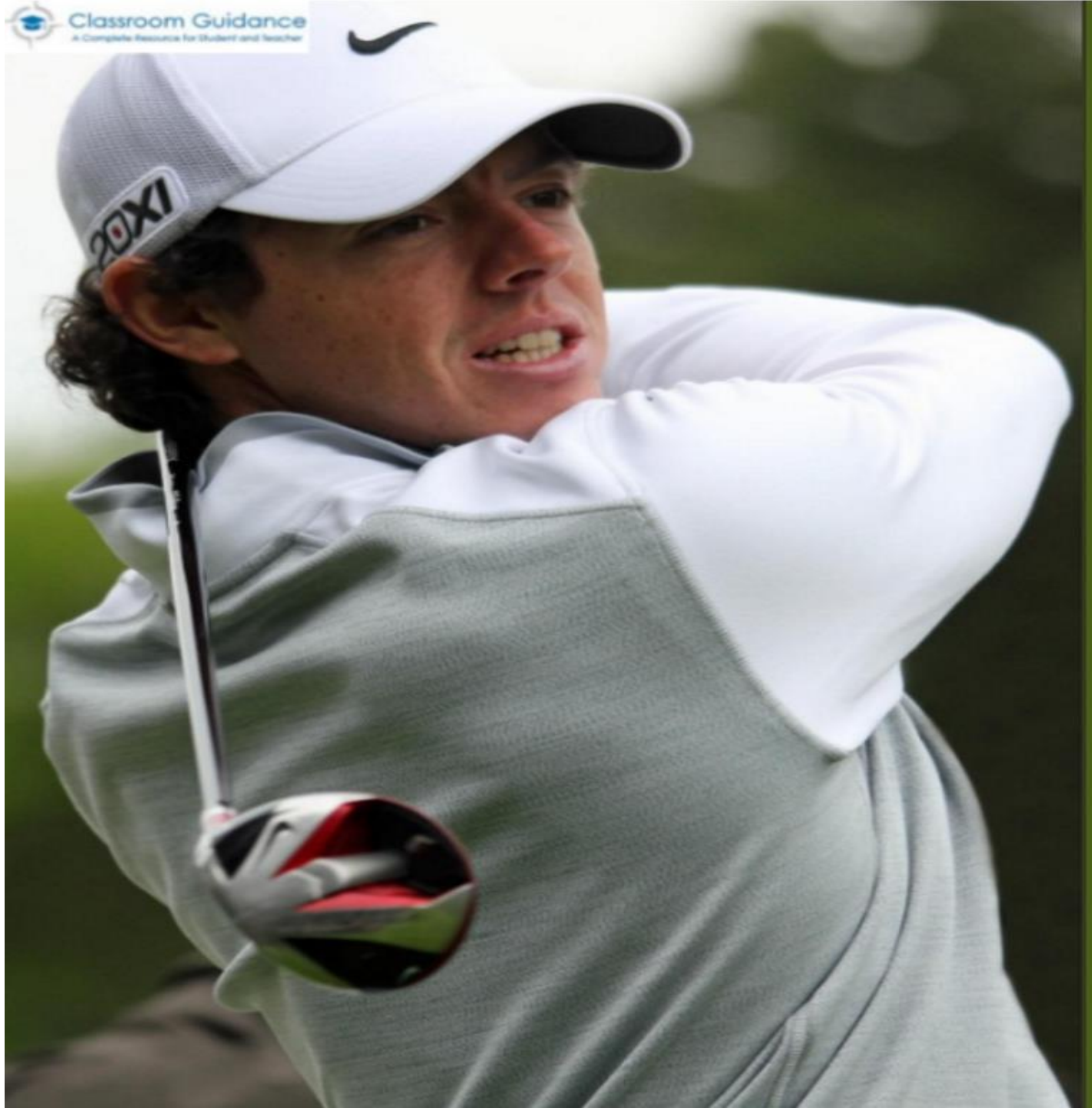

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All my friends are choosing that subject...
Think for yourself !!!!

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You like the teacher...



Make sure you like the subject also.



When choosing subjects, *do what comes naturally.*

1. It is easier and more comfortable for you.
2. Why make your life more difficult?

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Aptitudes

- All students have different strengths.
- Choose subjects in which you are likely to get good grades.
- You are also more likely to want to continue with these subjects when you leave school.

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Career & Further Education

Apart from Irish, English, Maths other subjects can be required for some courses & careers.

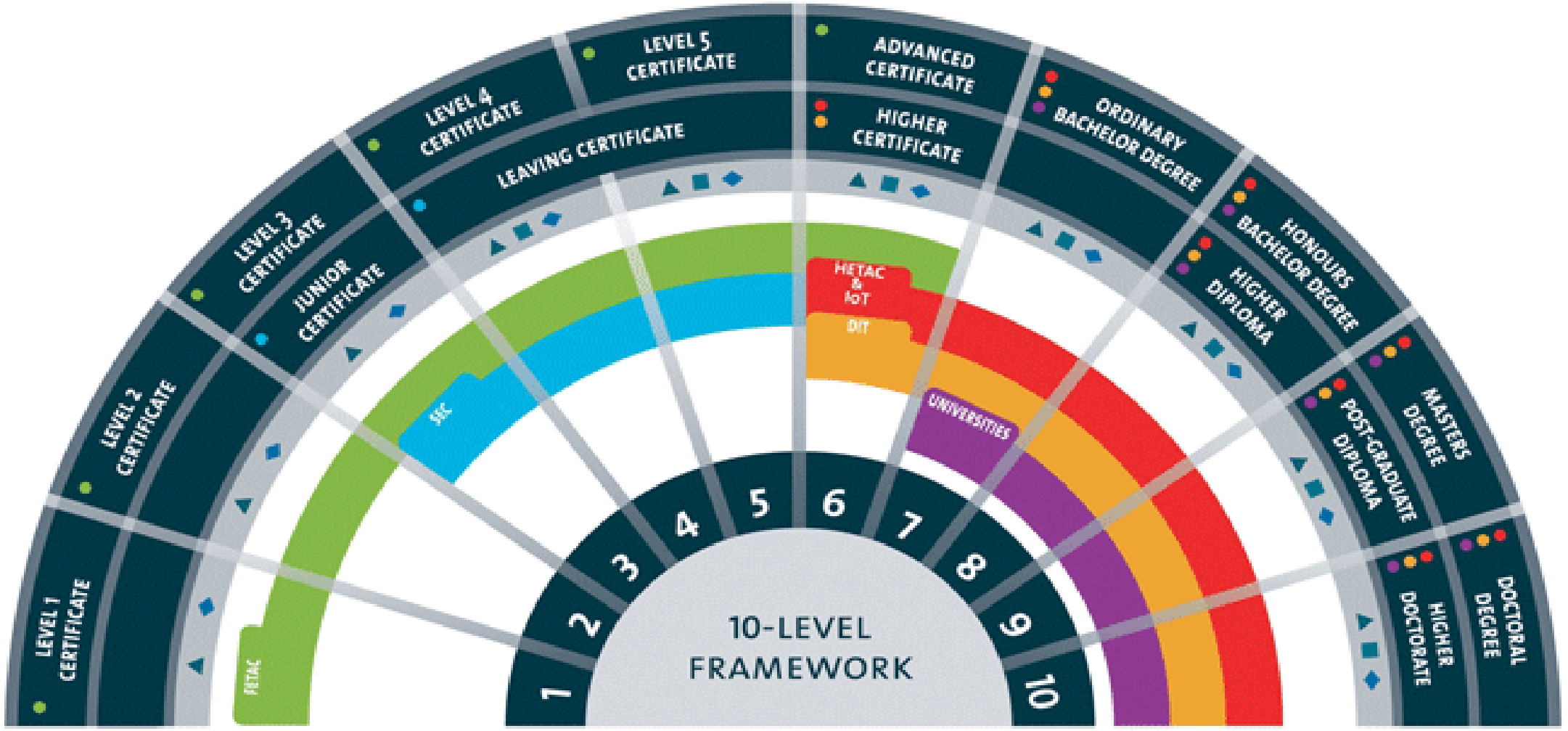


Check out these subject requirements with a Guidance Counsellor or the course provider.

IT IS *YOUR RESPONSIBILITY* TO DO THIS.

National Framework of Qualifications

Údarás Náisiúnta Cáilíochtaí na hÉireann
National Qualifications Authority of Ireland



THIRD LEVEL CHOICES

Option	Qualification (Level & Duration of Course)	General Minimum Requirements
NUI's (UCC,UCD,NUIM,NUIG,RCS, NCAD,ShannonColl HM)	**Hons. Degree (L8)** Level 8 (3/4 years of study)	2 H5 & 4 H7/O6 To include; Eng, Ir, + For Arts/Bus/Med&H/SSc –Mod Lang For Engin/Sc – HL Ma / Sc subj.
Other Uni's/Colleges (TCD,DCU,UL,MI,PontMayn,St.Pats,MaterDei,ColMh,)	**Hons. Degree (L8)** Level 8 (3/4 years of study) **Ord. Degree (L7)** Level 7 (3 years of study)	2 H5 & 4 H7/O6 To include; Eng, Ir/Lang & Ma (HL for L8) **TCD 3 H5 & 3 H7/O6** 5 H7/O6 To include; Eng, Ir/Lang & Ma
Institute of Technology (CIT,LIT,ITCarlow,ITTralee,GMIT,etc.) **DIT=exception	**Hons. Degree (L8)** Level 8 (4 years of study) **Ord. Degree (L7)** Level 7 (3 years of study) **Higher Cert (L6)** Level 6 (2 years of study)	2 H5 & 4 H7/O6 To include; Eng/Ir & Ma (HL for L8) 5 H7/O6 To include; Eng/Ir & Ma (FL****)
Further College of Education (CSN, Cork College of Commerce, St. John's CC)	**QQI Qualification** **Higher Cert (L6)** Level 6 (2 years of study) **Certificate (L5)** Level 5 (1 year of study)	5 H7/O6 Interview Some special requirements (e.g.Biology) **Apply Directly to Institution**

Specific Course Requirements

- Primary Teaching: H4 in Irish.
- Commerce: Accounting (NUIG): H4 in Accounting.
- Home Economics (2nd level teaching): O6 Lab. Science or Home Ec.
- Business Studies: O5 or H3 in Maths (no Business subject required).
- Engineering: H5 in Maths for some courses. L8 – HL , L7/6 – OL
- Human Nutrition and Dietetics (DIT): H5 in Chemistry.
- Physio: (UL): O4/H3 in one of Physics/Chemistry/Biology/Ag. Science.
- Physio (TCD): 2 H5 from Physics/Chemistry/Biology/Ag. Science/Maths.
- Physio (RCSI): H4 in one of Physics/Chemistry/Biology/Ag. Science.
- Pharmacy (UCC): H5 in Chemistry & in either Physics or Biology.
- General Nursing: O6 in one of Physics/Chemistry/**Biology**/Ag. Science.
- Veterinary Medicine: H5 in Chemistry .
- * Medicine (RCSI): O6 in one of Physics/Chemistry/Biology/Ag. Science
- (UCC): 2 Sciences (Chem +)
- (Others): 6 yrs (O6 in Sc. Subj.) / 5 yrs (2 Sc. Subj.)
- Science: O6 in one of Physics/Chemistry/Biology/Ag. Science.
- 2 Sciences desirable? H5 in Maths (UL) H7 or O3 in Maths (UCD).
- Cadetships in the Defence Forces: Minimum: 3H5 & 3O6. Passes in Maths, Continental Language and English or Irish.

Specific Course Requirements

Science / medical /veterinary

- Science UCC - H4 in one science subject
- Medicine UCC - H4 in Chemistry plus Biology/Physics
- Dentistry UCC - H4 in Chemistry plus Biology/Physics
- Pharmacy UCC - H5 in Chemistry plus Biology /Physics
- Speech and Language Therapy UCC - H4 science subject & H5 in a language other than English
- Occupational Therapy UCC - H4 in a science subject
- Physiotherapy UL – H7 / O3 in a science subject
- Nursing UCC - one science subject
- Veterinary in UCD - H5 in Chemistry

Engineering

- Engineering UCC – one science subject and H4 in maths
- Engineering CIT – L7 - O6 ..... L8 - H6 But also see specific course requirements

Languages

- Commerce International UCC - HC1 (H3) in a foreign language
- Law and French UCC - H3 in French
- Law and Irish UCC - H3 in Irish
- World Languages UCC – H3 in language other than English

Courses that need a science subject

SCIENCE

ENGINEERING

MEDICINE

DENTISTRY

VETERINARY*

PHARMACY*

PHYSIOTHERAPY

RADIOGRAPHY

NURSING

ARCHITECTURE

OCCUP. THERAPY

SPEECH THERAPY

SPORTS SCIENCE

MED LAB SCIENCE

DIETETICS*

OPTOMETRY

INDUSTRIAL DESIGN

INFO. TECHNOLOGY

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THE SCIENCES

A pass in *at least* one Laboratory Science subject is needed if you are applying for anything in:

• Engineering	
• Human	tory
• Paramed	
• Radiogra	
• Physioth	• Nursing
• Medical	• Science areas at Universities

Some of these courses need two science subject

Physical Education+ Maths (DCU)	Design & Manufacture (UL)

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CHEMISTRY

Is required for:

- Human Nutrition & Biomedical Science, *DIT*
- Dentistry, *UCC* & Medicine, *UCC*
  (plus either Physics or Biology)
- Veterinary Science, *UCD*
- Pharmacy, TCD, *UCC*
- Medicine

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BIOLOGY

Is required for:

- Elective Biology in Home Economics Degree, *St Angela's College*
- Dental Hygiene, *UCC*
- Elective Biology in Arts Degree, *Maynooth*

(High grade required)

Is very useful for:

- P.E. teaching with Biology, *DCU*

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PHYSICS

Is required for:

- Theoretical Physics, *TCD*
- Electrical Engineering, *UCC*

Is very useful for:

- *Anyone considering courses in Engineering or Electronics.*

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Compulsory Subjects



Are there any subjects you need to do to gain entry to your dream college course or career.

Do you like this subject?

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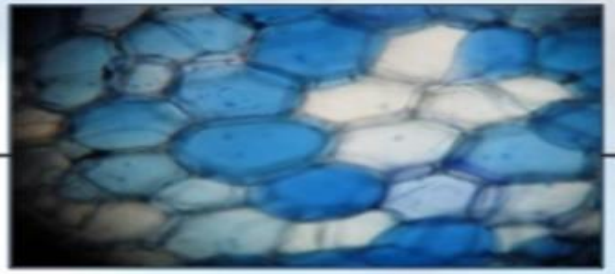
Third Language:

- Does my future college require a third language for entry.



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BIOLOGY:



REQUIREMENTS	An interest in living things, the environment & fieldwork.
COURSE CONTENT	22 mandatory practicals The Study of Life The Cell The organism Extensive vocabulary to familiarise.
CAREER POSSIBILITIES	Medicine, Veterinary, Dentistry, Nursing, Agriculture, Biotechnology, Botany, Ecology, Environmental Science, Genetics, Marine Science, Microbiology, Zoology, Psychologist, Astronomer, Teacher, Researcher.
USEFUL INFORMATION	Recording information & drawing diagrams is important. Biology isn't the '*easiest*' of the Sciences. There is a lot of knowledge to learn and process.

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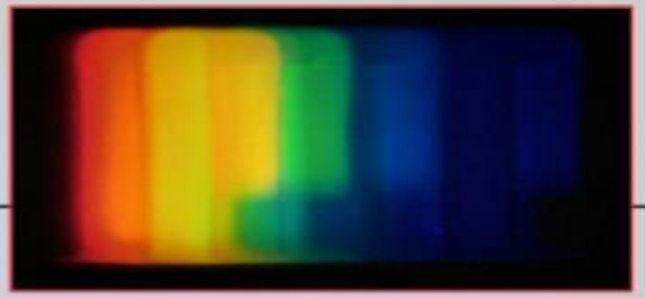
CHEMISTRY:



REQUIREMENTS	Good aptitude for maths. Reasonable problem-solving skills.
COURSE CONTENT	History of famous scientists & discoveries. High detail on Periodic Table & Atom. Interesting & accurate chemical analysis. Organic Chemistry – chemicals in everyday life. Water Analysis .
CAREER POSSIBILITIES	Pharmacy, Ag Science, Medicine, Engineering, General Science, Biotechnology.
USEFUL INFORMATION	Pay attention to course content at Junior Cert. Have good background knowledge.

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PHYSICS:



REQUIREMENTS	Good aptitude for maths. Problem-solving skills.
COURSE CONTENT	24 mandatory experiments. Light/Sound, Mechanics, Temperature/ Heat, Electricity, Magnetism, Radioactivity, Particle Physics or Applied Electricity for Honours candidates.
CAREER POSSIBILITIES	Electrician, Optician, Doctor, Dentist, Engineer, Computer Technician, Programmer.
USEFUL INFORMATION	Junior Cert honours maths students do well in Leaving Cert physics.

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HOME ECONOMICS (SOCIAL & SCIENTIFIC):



REQUIREMENTS	Completion of the Junior Cert an advantage.
COURSE CONTENT	**A.** Food Studies 45% & Consumer Studies 25% **B.** Resource Management **C.** Social Studies 10% **D.** Elective 20%. Elective choice: *1.* Social Studies, *2.* Textile, Fashion & Design, *3.* Home Design & Management.
CAREER POSSIBILITIES	Food industry, tourism, clothing & design, health & social services, interior design & education.
USEFUL INFORMATION	Some material is designated Higher Level only. There is no practical cookery exam for the Leaving Cert. There is a significant amount of theory to be covered requiring commitment & concentration.

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APPLIED MATHS:



REQUIREMENTS	Enjoyment of mathematics.
COURSE CONTENT	Constant Acce… Velocity, Projectile… , Conservation … Simple … and a Rigid Axis, … Law &
CAREER POSSIBILITIES	…g, Physics, Construction, Architecture.
USEFUL INFORMATION	If you are considering Physics and higher level Maths then consider taking Applied Maths. Chemistry also works well.

This is an extra subject in this school

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BUSINESS:



REQUIREMENTS	Junior Cert Business Studies an advantage. Keep up to date with current affairs and the news.
COURSE CONTENT	People in Business, Business Conflicts & Resolution. Enterprise, Management of Business. The Irish Business System, E.U. & International Business.
CAREER POSSIBILITIES	Banking, Insurance, Administration, Marketing, Business Management, Human Resource Management.
USEFUL INFORMATION	Useful to anybody contemplating starting his or her own business in the future. Very practical and interesting to someone of a business mind.

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ACCOUNTING:



REQUIREMENTS	Junior Cert Business an advantage.
COURSE CONTENT	<u>FINANCIAL ACCOUNTING:</u> Accounting Records, Sole Traders, Company Accounting, Specialised Accounts, Incomplete Records Cash Flow Statements. <u>MANAGEMENT ACCOUNTING:</u> Marginal Costing, Product Costing, Budgeting.
CAREER POSSIBILITIES	Many top executives in Business have an accountancy background. Can be a passport to working abroad.
USEFUL INFORMATION	Does not require exceptional Mathematical skills but need to be conscientious & thorough.

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ECONOMICS



REQUIREMENTS	Being interested in the economy.
COURSE CONTENT	Micro-Economics – dealing with individual business units and structures. Macro-Economics – dealing with the economy regarding Inflation & Government Policy, Employment & Job prospects, Rate of Inflation & the European Central Bank, Population & the study of some famous Economists.
CAREER POSSIBILITIES	Banking, Insurance, Finance, General Business, Marketing.
USEFUL INFORMATION	Not having done Junior Cert Business is *NOT* a disadvantage. Course is short compared to Leaving Cert Business. Outside reading required for Higher Level.

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ART, CRAFT & DESIGN:



REQUIREMENTS	An interest in Art & Art History
COURSE CONTENT	Practical lessons, developing skills in observational drawing, painting & craftwork. At least one visit to galleries/museums. • Imaginative Composition or Still Life – 25% • Design or Craftwork – 25% • Figure/Life Drawing – 13% • Art History and Appreciation – *exam & written assignments – 37%*
CAREER POSSIBILITIES	Animation, art historian, art teaching, art therapist, archaeology, architecture, computer design, industrial design, fashion/costume design, craftwork, curator, graphic design (Visual Communications), interior design, illustration, photography.....
USEFUL INFORMATION	Examinations may be taken in Higher or Ordinary Level in each of the above areas. A portfolio of artwork may be required for entry into some college/university courses. Students should aim to have some of their portfolio completed in fifth year.

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MUSIC:



REQUIREMENTS	Being good at performance, desirable.
COURSE CONTENT	• Listening (25%) • Composing (25%) • Performing (25%) (the voice is also an instrument!) • Performance *or* Music Technology 25%
CAREER POSSIBILITIES	Primary Teaching, Second Level Teaching, Sound Technician, any area of the Music Business, performing or production.

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CONSTRUCTION STUDIES:



REQUIREMENTS	Interest in buildings & the built environment. Aptitude for design & practical work.
COURSE CONTENT	Woodwork practical exam **25%,** (4hours). Project **25%**: Items of furniture. Using at least 2: joinery, woodturning, veneering/ marquetry, laminating or wood carving. Theory paper **50%**. Topics: Irelands historic buildings, Rural & urban planning; Passive house design; Insulation; Air tightness; Zoned heating systems; Geothermal heating; Carbon neutral buildings; Water conservation; Renewable energies.
CAREER POSSIBILITIES	Carpentry, electrician, electrical engineer, engineer, plumbing.
USEFUL	Not having done Junior Cert Woodwork is *NOT* a

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DESIGN & COMMUNICATION GRAPHICS

REQUIREMENTS	Junior Cert Technical Graphics Interest in construction or engineering. Good at maths & problem solving. Interest in freehand sketching, Computer Graphics & CAD. Neat and has good attention to detail.
COURSE CONTENT	3 hour written exam. Research & Design Project in 6th Year. Drawings Portfolio to include: Plane & Solid Geometry, Building Applications, Engineering Applications and a Compulsory Computer Aided Design Project.
CAREER POSSIBILITIES	Engineering, construction, industrial design, interior design & Architecture.
USEFUL INFORMATION	Studying of DCG is a distinct advantage for all apprenticeships.



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ENGINEERING:



REQUIREMENTS	Technical Junior Certificate subject essential.
COURSE CONTENT	Expected to design for themselves. Twelve week design & make project for 25%. A Practical exam for 25%. A three hour theory exam for 50%. Practical: Drilling; Milling, Lathes, Band Saws, Various Welding procedures and computer aided machinery. Theory: Metals, plastics, materials testing, welding machining techniques, alloy technology, mechanisms & electronics.
CAREER POSSIBILITIES	Mechanic, panel beater, sheet metal worker/ fabricator, welder, fitter, turner, plumber,, steel fixer, engineering teacher all types of engineering, computer aided manufacture, architecture, designer

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GEOGRAPHY:



COURSE CONTENT	<u>3 Core Units:</u> 1.Patterns & Processes in the Physical Environment 2.Regional Geography. Different regions of the world. 3.Geographical Investigation - fieldwork project 20% <u>Elective Units:</u> Patterns & Processes in Economic Activities or Human Environment.
CAREER POSSIBILITIES	Tourism, Transport, Travel, Environmental Science, Politics, Town Planning, Surveying, Weather Forecasting, Map-making and Environmental Assessment.
USEFUL INFORMATION	Higher level elective options only Global Interdependence, Geo-ecology, Culture and Identity or Atmosphere-ocean environment.

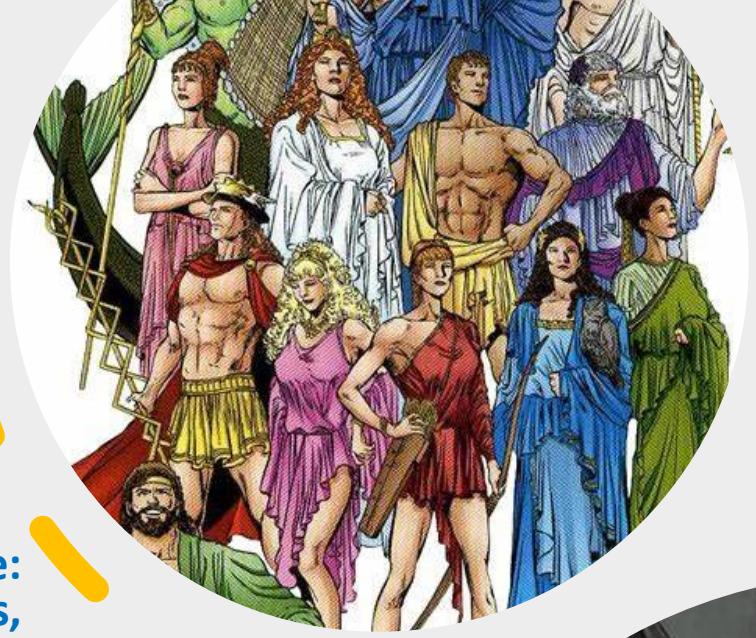
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HISTORY:



COURSE CONTENT	5 topics, each worth 20%. 2 Irish history topics & 2 world events topics plus 1 Research Study Report. Learn to support arguments with relevant evidence. Learn about people, countries and cultures. Learn how to separate fact from fiction. Insight into your own identity and tradition.
CAREER POSSIBILITIES	Arts, journalism, web-based research, museums, tourism, local and national government, broadcasting companies, banking, teaching.
USEFUL INFORMATION	Studying History sharpens communication, writing & research skills. History develops an ability to think independently. History gives you a better understanding of the world we live in.

Classical Studies



Course Content

4 Topics on Greece and Rome, each worth 20%. There is a Research Project also worth 20% - students choose their own title.

From 2021 Classical Studies will be a new course.

Students study the following about ancient Greece and Rome: Religion, worship, art, artefacts, entertainments, stories, mythology, drama, Alexander the Great and Julius Caesar.

Possible Careers

Journalism, Research, Library Studies, Tourism, Broadcasting, Lecturing, Primary and Second Level Teaching, Film Studies.

Useful Information

Students learn to read primary sources, look at art and artefacts from ancient Greece and Rome. Learning Skills include: evaluation, analysing, arguing, reflecting and forming opinions. Students will also develop good essay writing skill in this subject.



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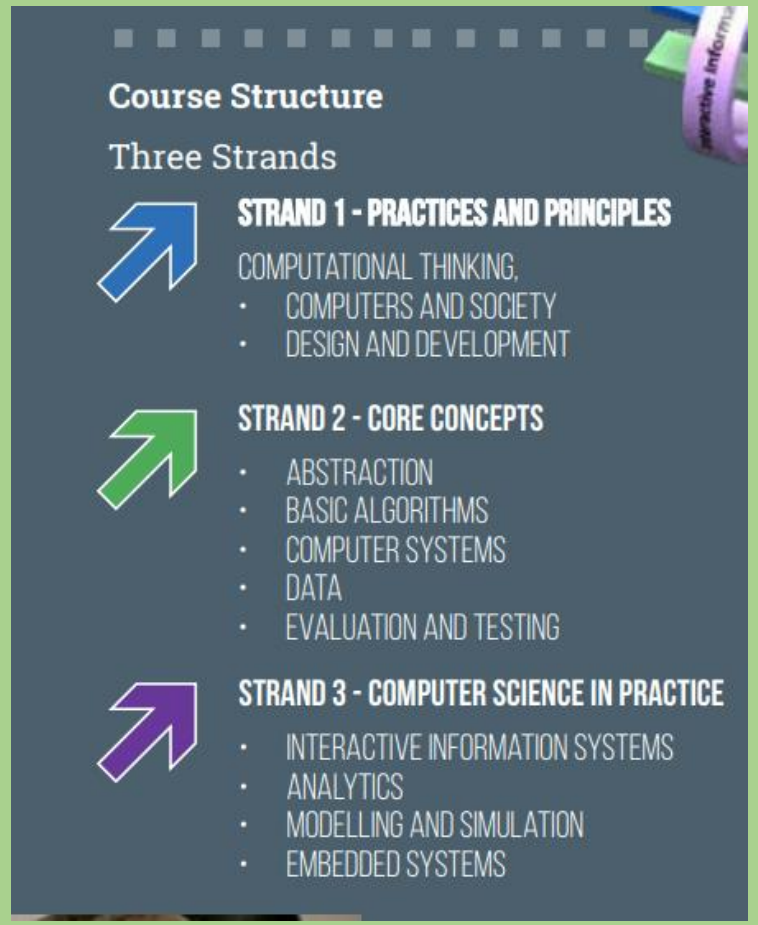
RELIGIOUS EDUCATION:

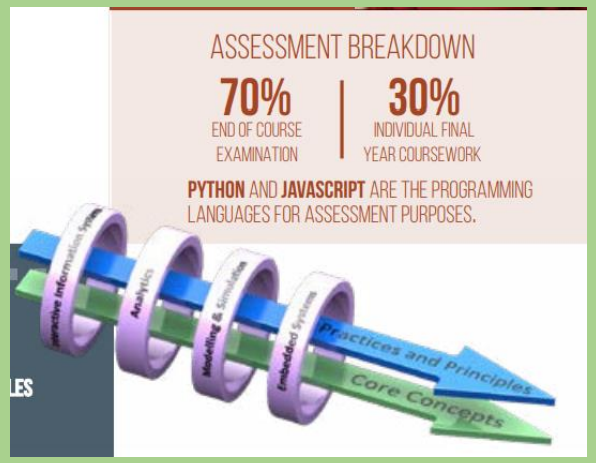


REQUIREMENTS	An enjoyment of English & History A curiosity about your world & its cultures
COURSE CONTENT	1. The search for meaning & values. 2. Any two: • Christianity : Origins & contemporary expressions •World religions •Moral decision-making 3. One of: Religion & gender, Issues of justice & peace, Worship, prayer & ritual, The Bible, Religion the Irish experience, Religion & science.
CAREER POSSIBILITIES	Teaching (primary & post primary), law, journalism, human resources, nursing, administration.

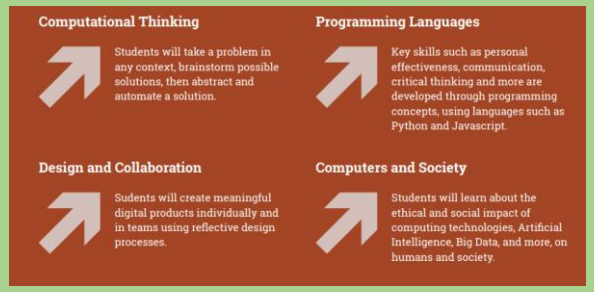
20 % Coursework

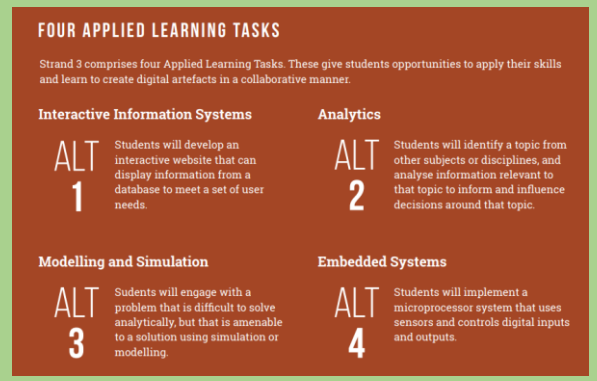
Computer science

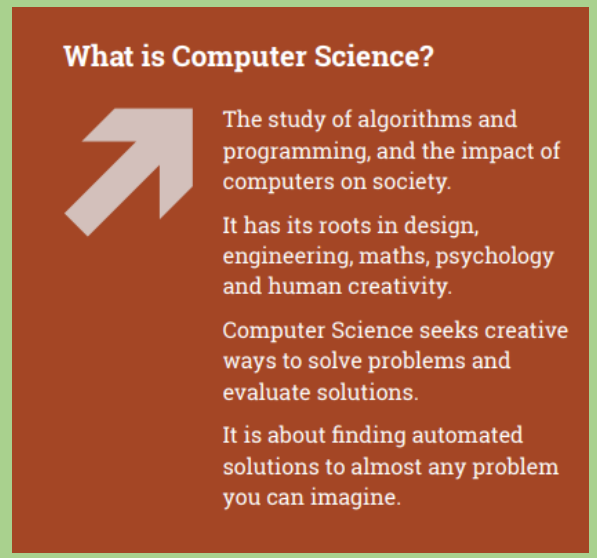




[NCCA Curriculum Online Computer Science]







Leaving Cert Physical Education

Requirements	An interest in physical activity and sport in a wider context than just your normal PE lessons The discipline and motivation to participate in a different physical activities A strong willingness to learn how to use IT and relevant applications The ability to work independently and meet coursework deadlines and

Course Content	• Assessment is 50% Written Exam & 50% Coursework (2 pieces)
	• Approximately 100 Learning Intentions
	  • Topic 1 : Learning & Improving skill and technique, Physical and Psychological demands, Structures and strategies, Planning for Optimum Performance
	  • Topic 2: Promoting Physical Activity, Ethics and Fair Play + 2 of the following – physical activity and Inclusion, Technology and Media, Gender and Physical Activity, Business and Enterprise
	• At least 3 out 5 of your weekly lessons will be classroom based

Career Possibilities	PE Teacher, Sports Journalist, Sports development officer, Sports Scientist, Professional Coach, Sports Analyst, Sports psychologist
Useful information	It is NOTHING like your Core PE lessons that you have in 1st-3rd year You need to become very familiar with certain IT programmes in order to successfully complete your coursework.

French



Requirements	Having done French for Junior Cert will be an advantage.
Course Content	Higher Level: Oral 25%; Aural 20%; Writing 25%; Reading 30% Ordinary Level: Oral 20%; Aural 25%; Writing 15%; Reading 40%
Career Possibilities	Working in a French speaking country; teaching; translator; interpreter; tourism; foreign marketing; hotel and catering

German

- Oral
- Written
- Listening

- Can be used as a third language for certain college requirements
- Working in Germany or in the EU

SPANISH



Requirements	Having done Spanish in Junior Cycle will be an advantage Interest in other cultures will help you engage more with the language
Course content	There is an oral, written and aural component. You will be able to talk about yourself and your life; you will engage in debates on social issues and be able to write your opinion on them; you will be able to understand listening pieces on a variety of topics
Career opportunities	Working in one of the 22 Spanish speaking countries; tourism; IT (having a second language is a bonus); marketing; teaching; interpreting, translation.

Leaving Certificate Subjects

- Students complete 7 subjects
- The 6 subjects with the highest points are counted towards the CAO

Bonus Points for Higher Level Mathematics...

- 25 bonus points will continue to be awarded for Higher Level Mathematics for H6 and above.

New Points System

New Grades and Common Points Scale for Leaving Certificate 2017			
Grade (%)	**Points**	**Grade (%)**	**Points**
H1 (90-100)	100		
H2 (80<90)	88		
H3 (70<80)	77		
H4 (60<70)	66		
H5 (50<60)	56	O1 (90-100)	56
H6 (40<50)	46	O2 (80<90)	46
H7 (30<40)	37	O3 (70<80)	37
H8 (0<30)	0	O4 (60<70)	28
		O5 (50<60)	20
		O6 (40<50)	12
		O7 (30<40)	0
		O8 (0<30)	0

Students should

- Focus on what you enjoy
- Consider the subjects you are good and subjects you have not studied before but you may wish to take up in senior cycle
- Take note of course requirements
- A varied combination that keeps your options open if you are uncertain of your career choice
- Talk to friends or students who are studying these subjects
- Talk to teachers of the subjects you are hoping to do

On-Line Research

- www.qualifax.ie

  It gives information on which subjects are needed for what courses, as well as information on all college courses

  Look up Minimum Entry Requirement under Useful Tools

- www.careersportal.ie

  Subject information + personal assessments. Also gives information on jobs such as qualifications needed.

- www.cao.ie

  All Colleges/Universities/etc. have their own web sites

  e.g. UCC.ie, CIT.ie, UL.ie, FAS.ie, etc.

Senior Cycle Subject Choice:

- Useful link for students to see what subjects are needed for certain courses:
- http://www.qualifax.ie/index.php?option=com_content&view=article&id=592:minimum-subject-requirements&catid=82:features-content

Scaling

How are you feeling about your subject options ?

Write your name on a post it on the way out?

