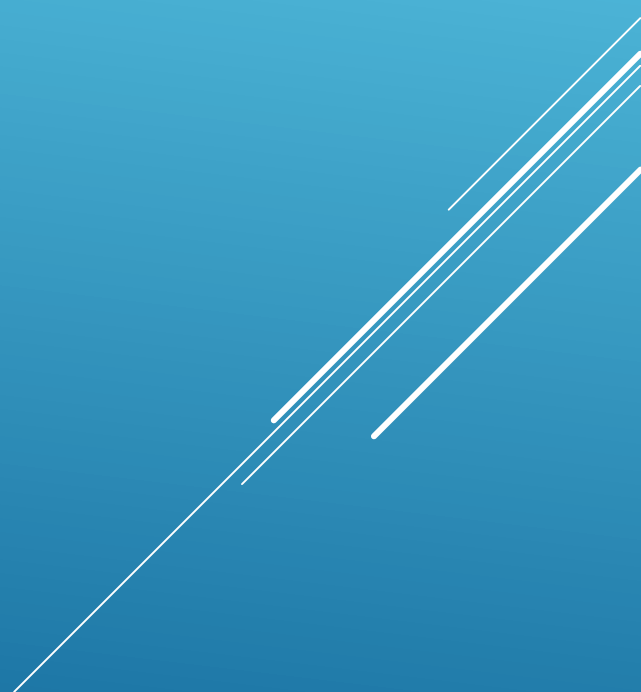


MORE INFORMATION.....



www.ncca.ie

www.curriculumonline.ie

www.jct.ie

www.careersportal.ie

www.qualifax.ie

INFORMATION ON EACH SUBJECT

An tSraith Shóisearach do Mhúinteoirí

JuniorCYCLE for teachers

5:26pm 18th of Oct. 2018

Welcome

Dr. Pádraig Kirk



Director,
CPD for Junior Cycle

Contact Us

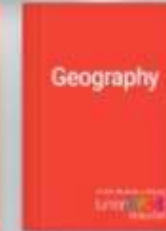
Meet the Team

Registration for CPD

Join our Mailing Lists

Recruitment

Home



Announcements

Post Date: 17 October 2018
Business Studies teachers
Please be advised that guidelines for completing the Business Studies Assessment Task are now available on the NCCA website, www.curriculumonline.ie and can be directly accessed [here](#).

Events Calendar

Day View - 18 Oct 2018 Today
No JCT events today
October 2018

Twitter

Tweets by @JCTforTeachers
jct.ie @JCTforTeachers
Exciting times ahead for the technologies #JCT #jcreform #JCT14 Our 1st wave of #CPD for these subjects is fast approaching! We look forward to working collaboratively with the technologies subject associations in the

WWW.JCT.IE

Science

[JCT Home](#)[Subjects](#)[Science](#)

Key Documents



News/Events



CPD Workshops



Planning



Assessment



Resources

[Contact Us](#)[Join the Mailing List](#)[Meet the Team](#)[Twitter](#) 

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Science

JCT Home Subjects Science **Key Documents**

Key Documents

Welcome to JCT Science. This section of the website will support you in your enactment of the Curriculum Specification for Junior Cycle Science. There are a number of key documents that will guide your work in the Science classroom. These include:

Framework



Framework for Junior Cycle

File type: PDF

[Click to view or download](#)

Specification



Junior Cycle
Science

File type: Online Specification

[Click to view](#)

Assessment Guidelines 2nd Edition



File type: PDF

[Click to view or download](#)

Information Leaflet

Science Information Leaflet



File type: PDF

[Click to view or download](#)





Where can I get more information?

www.curriculumonline.ie – This is the website of the National Council for Curriculum and Assessment (NCCA) where you will find key documents such as the Framework for Junior Cycle (2015), the Junior Cycle Science Curriculum specification and Guidelines for the Classroom-Based Assessments and Assessment Task.

www.juniorcycle.ie - Here you can find the Assessment Toolkit which is designed to support and assist teachers in their work on junior cycle assessment.

www.jct.ie - This is the website of the JCT schools' support service. JCT's aim is to support schools in their implementation of the new Framework for Junior Cycle through the provision of appropriate high quality continuing professional development for school leaders and teachers, and the provision of effective teaching and learning resources.

Within your own subject department in your school. Collaboration with teaching colleagues is promoted through professional time allocations.



Follow [@JCforTeachers](https://twitter.com/JCforTeachers) on Twitter and directly with the Science Team using [@jctscience](https://twitter.com/jctscience)

We have a team of full-time advisors who can be contacted by email at info@jct.ie

Learning Journey - Science

A dual approach to assessment, involving classroom-based assessment across the three years of junior cycle and a final externally-assessed, state-certified examination, enables the appropriate balance between preparing students for examinations and also facilitating creative thinking, engaged learning and better outcomes for students.

Extended Experimental Investigation CBA 1
Year 2 Final Term
School based assessment, followed by SLAR. Reported in JCBA using descriptors

Science in Society Investigation CBA 2
Dec/Jan of Year 3
School based assessment, followed by SLAR. Reported in JCBA using descriptors

Assessment Task
Term 2 of Year 3
Based on the Learning Outcomes of CBA2. Set by NCCA & marked by SEC. Accounts for 10% of SEC Grade

Final Assessment
End of Year 3
Based on a sample of the Learning Outcomes. Set and marked by the SEC. Accounts for 90% of SEC Grade

An tSraith Shóisearach do Mhúinteoirí
JuniorCYCLE
for teachers

Junior Cycle Information on Science



Junior Cycle Science encourages all students to

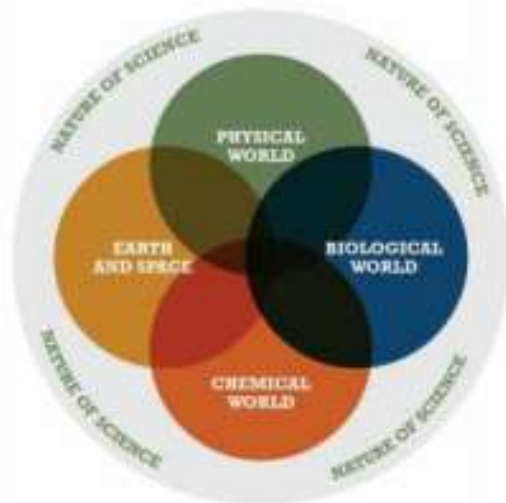
- develop an evidence-based understanding of the natural world
- develop their ability to gather and evaluate evidence
- consolidate and deepen their skills of working scientifically
- become more self-aware as learners and become competent and confident in their ability to use and apply science in their everyday lives.

Learning Outcomes

The learning to be experienced by students in Junior Cycle Science is described in learning outcomes. These are statements that describe the understanding, skills and values students should be able to demonstrate following their three years of Junior Cycle. There are 46 learning outcomes in Junior Cycle Science, spread across five strands.



Structure of the Specification



There are 4 contextual strands- Earth and Space, Physical World, Biological World and Chemical World and these are unified by a fifth strand – The Nature of Science. This unifying strand includes learning how science works, carrying out investigations, communicating in science and developing an appreciation of the role and contribution of science and scientists to society. There is a strong focus on scientific inquiry.

Changing approach to Assessment

A dual approach to assessment increases the prominence given to Classroom-Based assessment and formative assessment; students learn best when teachers provide feedback that helps students to understand how their learning can be improved.

Classroom-Based Assessments

Classroom-Based Assessments (CBAs) are completed during class time. The first CBA is an Extended Experimental Investigation which occurs late in second year. The second CBA is a Science in Society Investigation and this happens early in third year. Students can choose from a variety of investigation topics. A variety of formats can be used to present evidence of student learning. The assessment is similar to the ongoing assessment that occurs every day in every class.

To support teacher judgement in the CBAs, Features of Quality are set out in the Assessment Guidelines. Subject Learning and Assessment Review (SLAR) meetings provide teachers with the opportunity to share and discuss samples of their assessments of student work and build a common understanding about the quality of student learning.

Teachers' judgement is recorded for the purpose of the Subject Learning and Assessment Review meeting and for the school's reporting to parents guardians and students.

An Assessment Task (AT) follows the 2nd CBA in 3rd year. It is a written task completed by students during normal class time and it is sent to the State Examinations Commission (SEC), along with the final examination, for correction. It accounts for 10% of the final examination mark.

Results of the CBAs and the SEC result are recorded on the Junior Cycle Profile of Achievement (JCPA).

Subject	Written	Assessment Task (Project)	CBAs
Science	90%	10%	2
Business	90%	10%	2
French/German	90%	10%	2
Art		100% (Practical)	2
Music	70%	30% (Practical)	2
Home Ec	50%	50% (Practical & Food Exam)	2
Technical Graphics	70%	30%	2

OVERVIEW OF SUBJECTS



John Kelly

DOB: 21 June 2001

STATE CERTIFIED
FINALEXAMINATIONS

Examination number: 456985

English (O) Distinction

Irish (O) ⁽¹⁾ A

Mathematics (H) B

History (H) C

Geography (H) D

French (O) ⁽²⁾ C

Business Studies (H) B

Science (H) B

C.S.P.E. (C) A

Classroom-Based Assessments - English

Oral Communication Above expectations

Collection of Texts In line with expectations

Classroom-Based Assessments - Short Courses

Coding In line with expectations

Physical Education Above expectations

Artistic Performance Exceptional

Philosophy In line with expectations

Other Areas of Learning 2

The school has flexibility to report on other learning experiences/events that the student has participated in outside the formal timetabled curriculum such as:

- Engagement with co-curricular or extra-curricular activities such as a science fair, school's sporting activities or debating.
- Specific learning opportunities that do not form part of subjects or short courses, i.e. leadership training; activities relating to guidance; membership of school clubs or societies; membership of school's student council.
- Engagements that form part of the formal timetabled curriculum but not reported on in other sections of the JCPA i.e. engagement with a school's own religious education programme or with elements of the PE, SPHE curriculum and CSPE.

Principal

Ms Mary Ryan

Year Head

MR. Jack Quigley

Roll Number: 60090Q

Anytown Secondary School
Anytown, Co. Anytown
V94HXX5

Anytown Secondary School

- ▶ These universities require a student to have a third language for **some** courses:
- ▶ If a student has a **language exemption** this follows through to 3rd level.



University College Cork, Ireland
Coláiste na hOllscoile Corcaigh



NUI REQUIREMENTS - LANGUAGES

Subjects for L.Cert	Essential For:
French / German	<p>180+ Courses require a 3rd Language</p> <ul style="list-style-type: none"> • HOWEVER OVER 1300 COURSE DO NOT REQUIRE SCIENCE
Chemistry	<ul style="list-style-type: none"> •A Science subject is necessary for over 200+ courses •2 Science courses are essential for some courses •HOWEVER OVER 1300 COURSE DO NOT REQUIRE SCIENCE <p>Essential for 7 courses</p>
Physics	Essential for 1 course
Biology	Essential for 2 courses
Applied Maths	Not Essential
Accounting	Essential for 1 course
Economics	Not Essential
Business	Not Essential
Home Economics	Not Essential
DCG	Not Essential
Ag. Sc/Eng/Con.St.	Not Essential
History / Geography	Not Essential
Art	Not Essential
Music	Essential for 2 courses
Religious Education	Not Essential



- ▶ Science is needed for over 180 courses currently on offer to students.
- ▶ Areas such as Nursing, Medicine, Pharmacy, Radiography, Dietetics, Occupational Therapy and some areas of Engineering.
- ▶ STEM are currently encouraging more women to get involved in the area of science and engineering.
- ▶ Lot of employment opportunities in this area at present.

SCIENCE

www.qualifax.ie

WHERE CAN I GET MORE
INFORMATION



Further Education PLC



Higher Education CAO



Lifelong Learning



Postgraduate Study

Welcome to Qualifax

Qualifax is Ireland's National Learners' Database and is the "one stop shop" for learners and the public.

Qualifax offers comprehensive information on further and higher education and training courses available in Ireland and further afield. Qualifax also provides information to assist students, jobseekers, parents, guidance professionals and graduates to make informed choices about options in education, training and career pathways.

Qualifax is a service provided by Quality and Qualifications Ireland.

Events Calendar

- | | | |
|------------|--------------------------------------|----------------------------------|
| 18.10.2018 | CCAM - Creative Pathways Open Day | Galway-Mayo IT - Galway |
| 18.10.2018 | Open Day | Institute of Technology Sligo |
| 18.10.2018 | LIT Open Days (2 Days) | Limerick Institute of Technology |
| 18.10.2018 | Open Days (Limerick Campus) - 2 Days | Mary Immaculate College |
| 18.10.2018 | Education Fair | Northside Partnership |

{  Search all Courses  Take an Interest Assessment  Check a Qualification }

Featured Content



Podcasts

Going to College Podcast Series Independent.ie Education Podcast The Going to College podcast series will be giving you advice and information...



CAO Information

The Available Place facility will re-open on Tuesday, 21st August at 12:00. About Available Places/Vacant Places Available...



In this section

- ▶ [Students](#)
- ▶ [Career Events](#)
- ▶ [Choosing a Career](#)
- ▶ [Course Finder](#)
- ▶ [DARE and HEAR](#)
- ▶ [Frequently Asked Questions](#)
- ▶ [How to use Qualifax](#)
- ▶ [Support and Advice](#)
- ▶ [Useful Tools](#)
- ▶ [Podcasts](#)

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

or higher education and training? Unsure which subjects to take?

I am looking for information on one of these areas ...

- [Accommodation](#)
- [Careers](#)
- [Career Events](#)
- [Courses in Ireland](#)
- [Courses outside Ireland](#)
- [Coming to Ireland to Work or Study](#)
- [Disability](#)
- [Glossary of Terms](#)
- [Grants](#)
- [Higher Education Links Scheme \(HELS\) - QQIFET](#)
- [How to Use Qualifax](#)
- [HPAT](#)
- [Interest Assessment](#)
- [INTREQ - Jobs Ireland](#)
- [Leaving Cert Applied LCA](#)
- [LCVP](#)
- [Quality and Qualifications Ireland](#)
- [Recognition of Foreign Academic Qualification in Ireland - NARIC IRELAND](#)
- [SOLAS](#)
- [Subject Choice](#)
- [Support & Advice](#)
- [Time Management](#)
- [UCAS](#)



International Students

View My Tagged Courses

Subject Choice

Where are the jobs?



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- ▶ [Support and Advice](#)

[Access Officers Contacts](#)

[Accommodation](#)

[Admissions Officers Contacts](#)

[Bonus Points for HL \(LC\) Mathematics](#)

[CAO Information](#)

[New CAO Points Scale](#)

[Coming to Ireland for Work or Study](#)

[Europass](#)

[Higher Education Links Scheme \(HELS\) QQI FET](#)

[GAMSAT - Graduate Medical School Admissions Test](#)

Subject Choice

Subject Choice is often referred to as decision time!

You are either 1st Year in secondary school or moving forward into the Leaving Cert. cycle, so it is a time for some serious decisions. This may be the first time you have the chance to choose which subjects you want to study. It's important that you choose your subjects carefully, as getting the right mix of subjects will affect your future in school, at third level and in the work force.

Make sure to choose your favourite subjects. If you are good at a subject it will come naturally to you, and if you enjoy it, you will excel at it. If you find an area that you are particularly good at, you could boost your ability by choosing subjects which complement each other. Some subjects contain an overlap such as physics and applied maths, or biology and agricultural science.

If you are very unsure of what subjects to choose, you need to consider doing aptitude and ability tests and use the results as a basis for selecting the subjects to which you are best suited.

It is also vital that you take into account future college and career paths and ensure that when it comes to applying for higher education you are not caught out because you did not study a particular subject at Leaving Certificate level. Organise to meet with your Guidance Counsellor who will have knowledge of the subject requirements necessary to gain entrance into particular college courses. Get advice from the teacher of the subject and ask them what the syllabus covers. Speak to other students who have studied the subject and browse the textbooks to see if they appeal to you.

Qualifax - Subjects Requirement Module

Qualifax provides an online [Subjects Requirement Module](#) for both Junior and Senior cycle students.

This module contains a search engine which allows you to check the implications of choosing or not choosing certain subjects and gaining entry to particular courses and colleges. Just click on **Junior Certificate Subjects** or **Leaving Certificate Subjects** whichever applies to you. To view the Leaving Certificate Entry Requirements details click on the course title.

The essential guide to choosing your Leaving Cert subjects

SELECTING THE right subjects for the Leaving, and the level at which to take them, is a critical task faced by 60,000 second-



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▶ [Useful Tools](#)

- [Interest Assessment](#)
- [Interest Assessment follow up](#)
- [Minimum Subject Requirements](#)
- [Points Calculator 2016](#)
- [Points Calculator from 2017](#)
- [Points Information from CAO](#)
- [UCAS Points Information](#)

▶ [Podcasts](#)

Course Search - Subject Requirements Module

All courses referred to in this section are Third Level CAO entry.
The Course Data in this section is for the CAO entry in 2018.

Please select one of the following:

[Junior Certificate Subjects](#)

[Leaving Certificate Subjects](#)

[back to top](#)



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 - [Points Calculator from 2017](#)
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 - [UCAS Points Information](#)
- ▶ [Podcasts](#)

Subject Requirements Module

[View Search Help](#) [Return to Main Menu](#)

What is the situation regarding 3rd Level Course Provider Courses available to me if I do not have:

- Please Select...
- Please Select...
- a Second Language
- a Third Language
- a Science Subject
- Higher Irish

A Science Subject: Agricultural Science, Biology, Chemistry, Physics, ...
A Second Language: Ancient Greek, Arabic, French, German, Italian, ...
A Third Language: Ancient Greek, Arabic, French, German, Italian, Japanese, Latin, Russian, Spanish

In some cases a specific Science or Language subject may be required. This information can be found in the "Leaving Certificate Entry Requirements" field in the courses listed in this module. Click on the course name to find this field.

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- [Points Calculator from 2017](#)
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- [UCAS Points Information](#)

- ▶ [Podcasts](#)

Select Courses To View

Please select one of the options below to view your results.

- [View Courses I can do without Science - Total of 1262 courses](#)
- [View courses I cannot do without Science - Total of 195 courses](#)

[View Courses](#)

[New Search](#)

[back to top](#)

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▶ **Useful Tools**

- [Interest Assessment](#)
- [Interest Assessment follow up](#)
- [Minimum Subject Requirements](#)
- [Points Calculator 2016](#)
- [Points Calculator from 2017](#)
- [Points Information from CAO](#)
- [UCAS Points Information](#)

▶ [Podcasts](#)

Search Courses Results

[New Search](#)

Click on the Course to get details about that course. Click on the Course Provider to get details about that course provider.

1 [2](#) [3](#) [4](#)

Search Criteria: Courses I cannot do without Science

Showing 1 to 50 of 195 results

Code	Course	Course Provider
DC204	Athletic Therapy & Training	Dublin City University
DT206	Biomedical & Molecular Diagnostics	Dublin Institute of Technology
GY318	Biopharmaceutical Chemistry	NUI Galway
GY304	Biotechnology	NUI Galway
MH202	Biotechnology	Maynooth University
TR007	Clinical Speech & Language Studies	Trinity College Dublin
DT405	Culinary Science	Dublin Institute of Technology
DN252	Dairy Business	University College Dublin
TR802	Dental Hygiene	Trinity College Dublin
AL631	Dental Nursing	Athlone Institute of Technology
TR801	Dental Nursing	Trinity College Dublin
LY816	Dental Nursing	Letterkenny Institute of Technology
TR052	Dental Science	Trinity College Dublin
TR803	Dental Technology	Trinity College Dublin
CK702	Dentistry	University College Cork
AS001	Education Home Economics & Biology with concurrent Teacher Education	St. Aoife's College Sligo

Students Flourishing

- curious and eager to learn
- creative and imaginative
- connected and empathetic
- good team players
- confident about who they are
- resilient and persistent

An tSraith Shóisearach do Mhúinteoirí
Junior **CYCLE**
for teachers



Junior Cycle, Wellbeing Guidelines, 2017

HAVE A LOOK AT THE JUNIOR CYCLE WELLBEING GUIDELINES

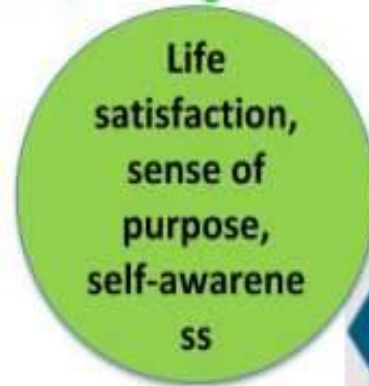
What contributes to students' wellbeing at school?

An tSraith Shóisearach do Mhúinteoirí

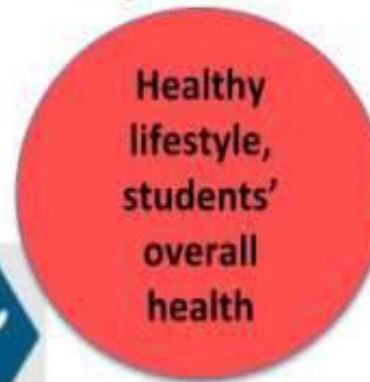
Junior **CYCLE**
for teachers

PISA

Psychological



Physical



wellbeing



Cognitive



Social

OECD, 2017

What am I **good at**?

What do I have a flair for?

What do I find easy?

What do I do well in?

ABILITY / TALENTS

A decorative graphic consisting of several parallel white lines of varying lengths, slanted upwards from left to right, located in the bottom right corner of the slide.

What do I enjoy?

What do I look forward to studying?

INTERESTS

- ▶ Choose a broad range of subjects e.g.
 - ▶ Science, business studies and one other subject
 - ▶ Is my choice of subjects too restrictive?



KEEPING OPTIONS OPEN



SUBJECT 1 : Home Economics

Advantages:

- Enjoy it
- Really like the cookery section
- Do well in exams
-
-
-
-

SUBJECT 2 : Science

Advantages:

- Needed for many careers
- Like biology section
-
-
-
-

SUBJECT 1 : Home Economics

Disadvantages:

- Don't like the sewing
-

SUBJECT 2 : Science

Disadvantages:

- Find it very difficult
- Don't do well in exams

ENGAGE IN A THOUGHT PROCESS

- ▶ Choose which subjects you think are your preferences and fill in the survey texted to your parents to enable us to set the option blocks.
- ▶ We are looking forward to welcoming you to Coláiste Abbáin in August 2021.
- ▶ In the meantimestay safe

ACTION