



September 2016 (Draft)

Ireland – STEM Resources A-Z (August 2016)

STEM Resources Ireland A-Z

A		
APPS4GAPS	Apps4Gaps is an all-Ireland competition aimed at encouraging secondary school students to provide concepts and create apps utilising Open Data freely available.	www.apps4gaps.ie
B		
Budding Biologists	The aim of the UCC <i>Budding Biologists</i> Programme for secondary schools is to promote an understanding and appreciation of science in young people and to highlight career opportunities in science. The programme provides students with the opportunity to conduct ‘hands-on’ experiments and to carry out their Transition Year work placement in university laboratories. APC scientists also travel to schools to give talks related to the curriculum and to give STEM careers talks as part of the Smart Futures initiative. The programme encourages students to study science at third level, illustrates scientific career opportunities and enhances their science awareness.	http://apc.ucc.ie/education-outreach/secondary/
BT Young Scientist & Technology Exhibition	Science and Technology exhibition displaying students projects, along with shows and industry stands.	www.btyoungscientist.com
Bealtaine Living Earth Biodiversity Festival	Festival which raised awareness of biodiversity and Irish natural heritage, and to promote the relationship between sustainability, biodiversity and natural resources.	
Biotechnology Ireland	Website for news, contacts, commercialisation, jobs and networking in the biotech sector in	www.biotechnology.ie

STEM Resources Ireland A-Z

	Ireland.	
C		
Central Applications Office	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.	www.cao.ie
CIT Blackrock Castle Observatory	The Blackrock Castle Observatory in County Cork is a science centre and is home to Cosmos at the Castle, an award winning interactive astronomy exhibition which highlights recent scientific discoveries and their implications for life in outer space. Blackrock Castle Observatory BCO is dedicated to primary, secondary and third level education in Ireland. Through innovative workshops and partnership, they bring science education alive for students of all ages and are a crucial provider of on-going science education for teachers.	http://www.bco.ie/education/
Coderdojo		
Careers Portal	Online portal with extensive information on STEM courses and careers.	www.careersportal.ie/courses/stem_courses
CRANN Exploring	The CRANN / AMBER Exploring Materials TY Week runs twice during	www.smartfutures.ie

STEM Resources Ireland A-Z

Materials TY Week	<p>the school year, with students visiting PhD researchers in their labs in CRANN, the Royal College of Surgeons in Ireland, St James's Hospital and the Advanced Microscopy Laboratory, where they have an opportunity to operate some of the world's most advanced microscopes.</p>	http://www.crann.tcd.ie/Education-Outreach/School-s-Programme/Exploring-Materials.aspx
<h2>D</h2>		
Discover Primary Science and Maths Programme.	<p>Discover Primary Science and Maths (DPSM) is the national programme, run by Science Foundation Ireland, to foster interest in science, technology engineering and maths amongst children in primary schools.</p>	www.primaryscience.ie
<h2>E</h2>		
Engineers week	<p>National Festival to raise awareness about engineering and the careers it can offer. 4th -10th March 2017.</p>	www.engineersweek.ie
Engineers Ireland	<p>Professional body for engineers in Ireland. The body promotes knowledge of engineering, establishes and maintains a standard of professional engineering. Provides opportunities for continuous professional development for engineers.</p>	www.engineersireland.ie
Engineering your Future	<p>Engineering Your Future (EYF) is a week-long, hands-on programme for Transition Year students who have an interest in science and maths. It is designed to introduce them to the</p>	www.smartfutures.ie http://steps.ie/students/engineering-your-future.aspx

STEM Resources Ireland A-Z

	exciting and diverse world of engineer.	
F		
Forensic Science Laboratory	The Forensic Science Laboratory provides a range of services in support of the criminal justice system. This covers everything from crime scene attendance to presentation of evidence in court and all of the analysis that happens in between.	www.ForensicScience.ie
Fetchcourses.ie	Further education and training course hub where students can search for information on further education courses in their chosen area.	www.fetchcourses.ie
G		
Girls Hack Ireland	Workshops to introduce teenage girls to science and technology, engineering and maths aimed at secondary schools students.	www.girlshackireland.org
H		
Higher Options	The Irish Times Higher Options is one of Ireland's biggest student events and has become an annual fixture on the Education calendar. Over 170 colleges, universities and institutes of further education take part in this unique expo and thousands of students from all over the country attend over the three days of the event.	http://www.irishtimes.com/higher-options
Hightech Elec TY	The School of Physics in Trinity	www.smartfutures.ie http://www.ceia.ie/education-and-

STEM Resources Ireland A-Z

Programme	College Dublin runs two programmes for Transition Year Students – a week in November and two one-day events in February.	schools/transition-year-work-experience-programme/
I		
Innovation 2020	Innovation 2020 is Ireland’s five year strategy on Research and Development, Science and Technology. Innovation 2020 sets out the roadmap for continuing progress towards the goal of making Ireland a Global Innovation Leader, driving a strong sustainable economy and a better society. The implementation of Innovation 2020 is led by the Department of Jobs, Enterprise and Innovation.	www.
Imaginosity	Imaginosity, Dublin Children's Museum, is now designated as a Discover Centre by the Discover Primary Science and Math Foundation (DPSM).Imaginosity offer Curriculum Linked and DPSM Accredited programming that is Delivered in a Hands on age appropriate way.	
<u>I wish 2017</u>	Series of events inspiring young females to consider careers in STEM and meet role models.	www.iwish.ie
J		
Jobs.ie		www.jobs.ie

STEM Resources Ireland A-Z

K		
L		
M		
Maths Week	Maths Week Ireland promotes awareness, appreciation and understanding of maths through a huge variety of events and activities taking place from 15th -23rd October 2016.	www.mathsweek.ie
N		
National Ploughing Championships	Europe's largest outdoor exhibition and agricultural trade show with 1500 exhibitors and over 280,000 attendees every year. Opportunity for students to meet researchers at the science foundation Ireland stand and experience hands on science with shows, demonstrations and exhibitions.	www.smartfutures.ie www.sfi.ie www.npa.ie
O		
P		
Primary Science and Maths	Discover Primary Science and Maths (DPSM) is the national programme, run by Science Foundation Ireland, to foster interest in science, technology engineering and maths amongst children in primary schools.	WWW.
Q		
Qualifax	Qualifax is Ireland's National Learners' Database. It is the "one stop shop" for	www.qualifax.ie

STEM Resources Ireland A-Z

	learners. We provide the most comprehensive information on further and higher education and training courses. Qualifax has developed services to ensure that you have all the information you need to make informed choices about your education, training and career path.	
QQI		
R		
S		
Science foundation Ireland	<p>Science Foundation Ireland (SFI) is the national foundation for investment in scientific and engineering research. SFI invests in academic researchers and research teams who are most likely to generate new knowledge, leading edge technologies and competitive enterprises in the fields of science, technology, engineering and maths (STEM).</p> <p>The Foundation also promotes and supports the study of, education in, and engagement with STEM and promotes an awareness and understanding of the value of STEM to society and, in particular, to the growth of the economy.</p>	www.sfi.ie
Science for Schools	<p>Science for Schools is a free resource for secondary school teachers, designed in conjunction with Professor Emma Teelings' Bat Lab in UCD, to support them in using genetics, biochemistry and molecular biology</p>	<p>www.smartfutures.ie</p> <p>http://www.ucd.ie/scienceforschools/</p>

STEM Resources Ireland A-Z

	<p>to show students that biology is an exciting and progressive areas of science. Co-developed by teachers, it explores key biological concepts in comparative genomics, evolution, ecology, ecosystems and speciation.</p> <p>The resource is suitable for mixed ability Transition Year biology students and assumes only Junior Certificate science prior knowledge, giving students an insight into why we study molecular biology and how this science is used on a daily basis in biological research.</p>	
Science Rising	Science foundation Ireland new national and international campaign to promote STEM.	www.sciencerising.sfi.ie
Science week	<p>A national, annual event that celebrates the fascinating worlds of science, technology, engineering and mathematics (STEM).</p> <p>Science Week 2016 takes place from the 13th to 20th November. There will be lots of events happening across the country</p>	www.scienceweek.ie
Solas	State organisation with responsibility for funding, planning and coordinating further education and training in Ireland	www.solas.ie
Space Week	Space Week is a new national STEM week which is supported by Science Foundation.	www.spaceweek.ie
STEPS PROGRAMME	The Engineers Ireland STEPS programme encourages primary and post-primary students to explore the world of STEM while also promoting	www.steps.ie

STEM Resources Ireland A-Z

	engineering as a career choice.	
Maths for STEM	A 30 credit module – specifically written for STEM	www.ceta.ie (TBC)
Smartfutures	This website aims to provide STEM career resources to students, teachers, guidance counsellors and parents in Ireland and stimulate an interest in STEM subjects in secondary school and at third level.	www.smartfutures.ie
T		
Tech Week	Tech Week April 24th – 30th Tech Week is Ireland's nationwide festival of technology aimed at students, parents and the public. Tech Week provides hands-on opportunities to learn about how computing and related technology are shaping every area of life.	www.techweek.ie
TY Expo	TY EXPO , an exhibition with stalls, talks and lots of exciting features for Transition Year students and coordinators to enjoy.	www.smartfutures.ie http://www.tyireland.com/
Trinity Walton Club www.tcd.ie	At Trinity Walton Club, post-primary students get an opportunity to connect with like-minded students and STEM role models. Each week, students partake in a range of challenging STEM sessions and activities that complement their national maths and science curricula and enrich their understanding of STEM even further. Trinity Walton Club strives to support students to reach their potential and encourages them to one day become passionate, forward thinking innovators.	www.tcd.ie
TCD School of Physics TYPE TY Programme	The School of Physics in Trinity College Dublin runs two programmes for Transition Year Students – a week in November and two one-day events in February.	www.smartfutures.ie

STEM Resources Ireland A-Z
