



# Qualified Projects 2018

The following projects have qualified for the BT Young Scientist & Technology Exhibition at the RDS, Dublin, 10 - 13 January 2018. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Antrim	Wellington College	Modelling Electrochemical Cell Reactions	Chemical, Physical & Mathematical Sciences	Individual
Antrim	St Killian's College	Smart Desk	Technology	Group - 2 Students
Antrim	St Killian's College	Dementia Aid	Technology	Group - 2 Students
Antrim	St Killian's College	Cot Death Eliminator	Technology	Group - 3 Students
Antrim	Fort Hill College	Hamster Power	Technology	Group - 2 Students
Antrim	South Eastern Regional College - Lisburn	Antifungal uses of oregano to stop the growth of mould on silage	Biological and Ecological	Group - 2 Students
Armagh	St Catherine's College	Production of bioethanol from our school canteen food waste	Biological and Ecological	Group - 3 Students
Carlow	Presentation de la Salle College	Data wave emitter via laser beams.	Technology	Individual
Carlow	Gaelcholáiste Cheatharlach	cèn fàth go bhfuil mèadù tagtha ar fadhbanna meabhair i mbun dèagòirì	Social and Behavioural Sciences	Group - 2 Students
Carlow	Gaelcholáiste Cheatharlach	Ag chuir comhtholghadh chun cinn	Biological and Ecological	Group - 3 Students
Cavan	Breifne College	Gender neutral toilets....Who cares?	Social and Behavioural Sciences	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Cavan	Colaiste Dun an Ri	Fight the Light (Statistical Analysis of rural men and their perception of SPF in the fight against skin cancer.)	Social and Behavioural Sciences	Group - 3 Students
Cavan	Colaiste Dun an Ri	Rural Roundabout Wreckage: A statistical investigation to examine and improve the current driving practices in my local area	Social and Behavioural Sciences	Individual
Cavan	Colaiste Dun an Ri	Gypsum - where does it come from and how does it compare to other continental deposits.	Social and Behavioural Sciences	Group - 3 Students
Cavan	Colaiste Dun an Ri	An investigative study into the prevalence of waste segregation, and the influential factors on segregating waste in Cavan/ Monaghan	Social and Behavioural Sciences	Group - 3 Students
Cavan	Colaiste Dun an Ri	An investigation into the high prevalence of millipedes and beetles in Dun A Ri Forest Park, Cavan, and the reasons as to their high prevalence in various habitats in this location.	Biological and Ecological	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Cavan	Colaiste Dun an Ri	Processed meat not so neat (Overview of people's knowledge on processed meats and health risks associated with processed meats)	Social and Behavioural Sciences	Individual
Cavan	St Bricin's Vocational School	Facebook drepression, is it real?	Social and Behavioural Sciences	Group - 2 Students
Cavan	St Bricin's Vocational School	Border Towns and Brexit	Social and Behavioural Sciences	Group - 3 Students
Cavan	Virginia College	Investigate how all the senses combine together to influence taste	Social and Behavioural Sciences	Group - 2 Students
Clare	Mary Immaculate Secondary School - Lisdoonvarna	A statistical analysis of Irish winning lotto numbers	Chemical, Physical & Mathematical Sciences	Individual
Clare	Mary Immaculate Secondary School - Lisdoonvarna	How much do dirty car headlights affect driver visibility?	Chemical, Physical & Mathematical Sciences	Individual
Clare	St. Joseph's Secondary School	The effects of food when ingested on subsequent vocal performance.	Biological and Ecological	Individual



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School County	School Name	Title	Category	Project Type
Clare	Mary Immaculate Secondary School - Lisdoonvarna	Expansion rates of Japanese knotweed ( <i>Fallopia japonica</i> ) in North Clare	Biological and Ecological	Individual
Clare	St. Joseph's Secondary School - Tulla	The effects of energy drinks on heart rate and blood pressure	Biological and Ecological	Group - 3 Students
Clare	Mary Immaculate Secondary School - Lisdoonvarna	The effect of weather, vegetation and topography on the movement of cattle in a winterage in the Burren	Biological and Ecological	Individual
Clare	Meánscoil Na Mbráithre	Investigating the energy impact of crypto-currency mining	Technology	Individual
Clare	Mary Immaculate Secondary School - Lisdoonvarna	Do Irish mussels contain microplastics?	Biological and Ecological	Individual
Clare	Mary Immaculate Secondary School - Lisdoonvarna	V-notching of lobster in Galway Bay-success or not?	Biological and Ecological	Group - 2 Students
Clare	Scoil Mhuire - Ennistymon	Is the Maths in The Music?	Chemical, Physical & Mathematical Sciences	Group - 3 Students



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Clare	Mary Immaculate Secondary School - Lisdoonvarna	Did the opening of an Aldi store in Ennistymon affect the shopping patterns of people in North Clare?	Social and Behavioural Sciences	Individual
Clare	Mary Immaculate Secondary School - Lisdoonvarna	Factors affecting efficiency in harvesting of forestry	Biological and Ecological	Individual
Clare	Mary Immaculate Secondary School - Lisdoonvarna	The effect of acidic seawater on Coralline algae and different seashells	Biological and Ecological	Individual
Clare	Meánscoil Na Mbráithre	Meditation and wellbeing- what's the link? A study into the effects of meditation on the wellbeing on teenage boys.	Social and Behavioural Sciences	Group - 2 Students
Cork	Coláiste An Spioraid Naoimh	Applications of Queuing Theory to the Public Orthodontic Treatment System	Chemical, Physical & Mathematical Sciences	Individual
Cork	Midleton College	Ridding hair/scalp of pediculus humanus capitis (head louse)	Biological and Ecological	Individual



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School County	School Name	Title	Category	Project Type
Cork	Kinsale Community School	A Statistical Analysis of Dental Phobia And Anxiety Prevalence And The Effects They Have On Regular Attendance At The Dentist.	Social and Behavioural Sciences	Individual
Cork	Midleton College	Light Emitting Sleep Assister (L.E.S.A)	Social and Behavioural Sciences	Group - 3 Students
Cork	Coláiste Choilm	The Friction Self-contradiction	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Cork	Coláiste Choilm	Tackling Concussions Head On	Technology	Group - 3 Students
Cork	Kinsale Community School	To Assess if the Halo Effect Influences the Public's Purchasing Habits of Organic Food and to Test if Organic Labels Bias Taste Perceptions.	Social and Behavioural Sciences	Group - 3 Students
Cork	St Mary's Secondary School - Macroom	Cost Benefit Analysis : Autism Assistance Dogs, Are They Worth It?	Social and Behavioural Sciences	Group - 2 Students
Cork	Colaiste Treasa - Kanturk	Invisible Parents, Inconspicuous Children. A Study of Parent-Child Separation among the Homeless in Emergency Accommodation.	Social and Behavioural Sciences	Group - 2 Students



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Cork	Kinsale Community School	Are young vapers at risk of popcorn lung?	Social and Behavioural Sciences	Group - 2 Students
Cork	Colaiste Treasa - Kanturk	Feeding 9.6 billion people by 2050. The effects of Pseudomonas Fluorescens L321 on enhancing barley crop yield.	Biological and Ecological	Group - 3 Students
Cork	St Mary's Secondary School - Macroom	Bat Mortality Rates at Wind Turbines	Biological and Ecological	Group - 3 Students
Cork	Colaiste Treasa - Kanturk	Gauging the appetite of the Irish population for Inglorious fruits and vegetables: A feasibility study.	Social and Behavioural Sciences	Individual
Cork	Colaiste Treasa - Kanturk	Investigating changes in cell morphology as a consequence of Caesarian-section [C-section] delivery and gender	Biological and Ecological	Group - 2 Students
Cork	Kinsale Community School	An Investigation into the Properties and Practicalities of Agar-Based Bioplastics	Technology	Group - 3 Students
Cork	Colaiste Treasa - Kanturk	Spotting Dyslexia: A quantitative study to investigate Dyslexia symptom recognition among Irish school school teachers of children aged 5-7.	Social and Behavioural Sciences	Individual



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School County	School Name	Title	Category	Project Type
Cork	Coláiste Muire - Crosshaven	Do Sexist Judgements Trump Non-Sexist Attitudes	Social and Behavioural Sciences	Individual
Cork	Kinsale Community School	A statistical investigation into the decline of reading among Ireland's youth and how we can prevent this from impacting future generations	Social and Behavioural Sciences	Individual
Cork	Kinsale Community School	A Comparative Analysis of the Antioxidant Capacity of Fruit and Vegetable Smoothie Drinks: Is there evidence of a Synergistic Effect	Biological and Ecological	Individual
Cork	Kinsale Community School	To investigate the distribution of microplastics in the marine and aquatic environment in my local area	Biological and Ecological	Individual
Cork	St. Brogan's College	A Chemical Investigation of the effects that an Open Sewer Pipe has on the Sea Water Quality of Five West Cork Beaches	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Cork	Kinsale Community School	ECO kettle	Technology	Group - 3 Students
Cork	Schull Community College	An investigation into the difficulties faced by Irish youth due to a lack of sexual education in schools.	Social and Behavioural Sciences	Group - 3 Students



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Cork	Kinsale Community School	A study using statistical methods on the biological effect of microsleeep on adult awareness and perception of situations and facts	Biological and Ecological	Group - 3 Students
Cork	Colaiste Treasa - Kanturk	A statistical analysis of the Impact of internet parenting style, parental attitude and family functionality on the susceptibility of an adolescent to internet addiction.	Social and Behavioural Sciences	Individual
Cork	Colaiste Treasa - Kanturk	Short Term Fasting Influences the Chemosensitivity of Oesophageal Cancer Cells	Biological and Ecological	Individual
Cork	Kinsale Community School	String Save - New String Instrument Tuning Peg Design and Development	Technology	Individual
Cork	St Mary's Secondary School - Macroom	Investing in the Early Years- the free pre-school scheme	Social and Behavioural Sciences	Group - 2 Students
Cork	Kinsale Community School	An Investigation to Find Out the Quantity of Microplastics in Bottled Water	Chemical, Physical & Mathematical Sciences	Individual
Cork	Coláiste Choilm	A sensor based ventilation system	Technology	Group - 3 Students



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Cork	Coláiste Choilm	The effects of age, sex and body mass index on human reaction time	Biological and Ecological	Group - 2 Students
Cork	Pobalscoil na Tríonóide	The Video Game Experiment	Social and Behavioural Sciences	Group - 3 Students
Cork	Coláiste Choilm	'Grind No More': Reducing The Incidence Of Bruxism (Tooth Grinding)	Technology	Individual
Cork	Coláiste Choilm	U'V Been Cleaned	Technology	Group - 3 Students
Cork	Coláiste Choilm	To investigate if Snail Secretion can prevent the spread of oral biofilm	Biological and Ecological	Group - 3 Students
Cork	Coláiste Muire - Crosshaven	IQ gets you hired, EQ gets you promoted, what about MQ?!	Social and Behavioural Sciences	Individual
Cork	Kinsale Community School	Peoples attitudes towards the say so causes of Autism	Social and Behavioural Sciences	Group - 3 Students
Cork	St Mary's Secondary School - Mallow	Assessing the enhancement of radioactivity in plants grown in selected Cork soils; environmental implications of long-term use of Phosphate fertilizer.	Chemical, Physical & Mathematical Sciences	Group - 2 Students



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Cork	Colaiste Treasa - Kanturk	Addressing the global goals for sustainable development: An investigation into the use of CRISPR-Cas9 for targeted genome editing in Solanum tuberosum.	Biological and Ecological	Individual
Cork	Clonakilty Community College	SON Multisystem Console	Technology	Group - 3 Students
Cork	Clonakilty Community College	A Quantitative Analysis of Marine Microplastics on the West Cork Coast	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Cork	Coláiste An Spioraid Naoimh	Microorganisms Reaction to Light & Sound	Biological and Ecological	Group - 3 Students
Cork	Mount Mercy College	Does Manuka honey provide a viable alternative to hormone rooting powder for plant propagation?	Biological and Ecological	Group - 2 Students
Cork	Mount Mercy College	Using Machine Learning to Locate Exoplanets	Chemical, Physical & Mathematical Sciences	Individual
Cork	St Mary's Secondary School - Macroom	Blast from the Past: Can scents and tastes trigger your memories?	Biological and Ecological	Group - 3 Students
Cork	Coláiste Muire - Crosshaven	Machine Learning in the Treatment of Molar Cancer	Technology	Individual



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Cork	Presentation College - Cork	Can full fat milk help control diabetes?	Biological and Ecological	Individual
Cork	Scoil Mhuire - Kanturk	Pain management in patients suffering from Chiari Malformation	Biological and Ecological	Individual
Cork	Presentation College - Cork	To determine at what age and to what extent do young male and females teenagers modify their diet when they get involved in competitive level sport activities?	Social and Behavioural Sciences	Group - 3 Students
Cork	Carrigtwohill Community College	A comparative analysis of the antioxidant profile of (a) Irish versus imported fruit (b) fresh versus frozen versus dried fruit	Biological and Ecological	Group - 2 Students
Cork	St Aloysius School	Do countries with hotter climates have lower numbers of depression? A study of long term effects of vitamin D intake.	Social and Behavioural Sciences	Group - 2 Students
Cork	Kinsale Community School	Could Cassini have brought bacteria on to Titan	Biological and Ecological	Group - 3 Students
Cork	Scoil Mhuire gan Smál - Blarney	The Imitation Game	Technology	Individual



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Cork	North Monastery Secondary School	An autonomous system that provides information on the well-being of a patient with a chronic disease	Technology	Individual
Cork	Schull Community College	An investigation into the removal of microplastics from water using ferrofluids.	Chemical, Physical & Mathematical Sciences	Individual
Cork	Coláiste Choilm	Allergen identification: designing a new app to alert the visually impaired the risks of allergens in food products	Technology	Group - 3 Students
Cork	Coláiste Choilm	From Town to Country: How is the quality of life changing for families who have recently relocated to rural Ireland.	Social and Behavioural Sciences	Group - 2 Students
Cork	Nagle Rice Secondary School	Are facial expressions scientifically or abstractly contagious	Social and Behavioural Sciences	Group - 2 Students
Cork	North Monastery Secondary School	An economical sensor that leads to the conservation of water. using a cognisant approach	Technology	Group - 3 Students
Cork	Kinsale Community School	A Statistical Analysis of Women's Knowledge of Cervical Screening and What Influences them to Attend for Screening.	Social and Behavioural Sciences	Group - 3 Students



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Cork	Gaelcholáiste Mhuire	Clár idirghníomhach chun feabhas a chur ar chumarsáid	Technology	Group - 3 Students
Cork	Colaiste Treasa - Kanturk	A study to identify the various aspects of meteors above SW Ireland using video footage and developing an algorithm to determine camera placement for optimal viewing and accuracy	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Cork	Kinsale Community School	Who Would You Prefer Was Behind Bars? A Statistical Study Into Discrepancies In Public Attitudes To Prison Terms	Social and Behavioural Sciences	Individual
Cork	Coláiste Pobal Bheanntai	An Ecological Study and History of Garnish Island in West Cork and what makes it so unique in Ireland.	Biological and Ecological	Group - 3 Students
Cork	Coláiste Choilm	A Sustainable Approach for Growth Promotion and Improved Disease-Resistance Capacity of Plants Using Aspirin	Biological and Ecological	Group - 2 Students
Cork	Coláiste Choilm	An Investigation of the Bacterial Growth in Wind Instruments	Biological and Ecological	Group - 3 Students
Cork	Colaiste Treasa - Kanturk	A Quantitative Study To Show the Effect of Female Role Models on Girls choosing STEM subjects at Second Level.	Social and Behavioural Sciences	Group - 2 Students



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Cork	Coláiste An Spioraid Naoimh	A Network Model to Analyse Peer Learning	Chemical, Physical & Mathematical Sciences	Individual
Cork	Schull Community College	Re-thinking Gender: Is It Worthwhile?	Social and Behavioural Sciences	Group - 2 Students
Cork	Glanmire Community College	To investigate the effects of micro-plastics on aquatic plants	Biological and Ecological	Group - 3 Students
Cork	St Mary's Secondary School - Macroom	Safety for A.S.D.	Technology	Individual
Cork	St Aloysius College - Carrigtwohill	Warming Up to Free Heating	Chemical, Physical & Mathematical Sciences	Individual
Cork	Christ King Girls Secondary School	Classroom dissection: The attitudes of students and teachers	Social and Behavioural Sciences	Individual
Cork	Gaelcholáiste Mhuire	Taibléidí 'Denta-Solve' - Taibléidí chun feabhas a chur ar shláinteachas béil daoine sa 3ú domhan	Biological and Ecological	Group - 3 Students
Cork	St Mary's Secondary School - Macroom	The Effect of Phytophthora Ramorum in Japanese larch on the Biodiversity of Gougane Barra Forest Park	Biological and Ecological	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Cork	Douglas Community School	Sunflower Pith as a Packaging Alternative	Biological and Ecological	Group - 3 Students
Cork	St Mary's High School	Talking out loud: sane or insane?	Social and Behavioural Sciences	Group - 3 Students
Cork	Scoil Mhuire gan Smál - Blarney	The Development of an Autonomous Car	Technology	Group - 3 Students
Cork	Ballincollig Community School	The environmental threat posed by the invasive South American rodent, Coypu, in Cork rivers	Biological and Ecological	Group - 2 Students
Cork	Scoil Mhuire gan Smál - Blarney	Positive and Negative Psychological effects of diabetes type 1	Social and Behavioural Sciences	Group - 2 Students
Cork	Schull Community College	An investigation and analysis of the socioeconomic implications of the 'Brexit' on the next generation of Irish workers	Social and Behavioural Sciences	Group - 3 Students
Cork	Sacred Heart Secondary School	Comparative Analysis of Sea Lettuce as an Alternative Fertiliser	Biological and Ecological	Group - 3 Students
Cork	Scoil na mBráithre Chríostaí	DITCH YOUR CARBON CUP PRINT	Social and Behavioural Sciences	Group - 3 Students



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Cork	St Mary's Secondary School - Macroom	Fast Fashion	Social and Behavioural Sciences	Group - 2 Students
Cork	Bandon Grammar School	Are You Ready For Life?	Social and Behavioural Sciences	Individual
Cork	Sacred Heart Secondary School	Protein milk Vs Full-fat milk: A comparative study of Protein milk and Full-fat milk on the muscle development of female teenagers using muscular endurance type exercises.	Biological and Ecological	Group - 3 Students
Cork	Millstreet Community School	An improvement to the ranking system for Ireland's second level schools.	Social and Behavioural Sciences	Group - 2 Students
Cork	Millstreet Community School	charcoal pencil or waterproof marker with a grip?-How to make a firefighter's day easier	Technology	Group - 2 Students
Cork	St Mary's Secondary School - Mallow	A study of the current status of the European hedgehog (Erinaceus Europaeus) in the North Cork area and factors affecting its decline in recent decades.	Biological and Ecological	Group - 2 Students
Cork	Coláiste an Chraoibhin	"App"itude towards mental health in Irish Schools	Social and Behavioural Sciences	Individual



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Cork	Coláiste Pobal Bheantraí	Have We Been Sleeping Wrong For 300 Years?	Social and Behavioural Sciences	Group - 3 Students
Cork	Maria Immaculata Community College	An investigation on the effects of living outdoors on our Serotonin levels	Biological and Ecological	Group - 3 Students
Cork	Kinsale Community School	A statistical analysis to investigate the knowledge surrounding the administration of anaphylaxis injections	Social and Behavioural Sciences	Group - 2 Students
Cork	Pobalscoil na Tríonóide	Technology+Dry Eye Syndrome	Social and Behavioural Sciences	Group - 2 Students
Cork	Bandon Grammar School	Is Dr Google making us a nation of 'cyberchondriacs'?	Social and Behavioural Sciences	Group - 3 Students
Cork	Mount Mercy College	Oobleck	Technology	Group - 2 Students
Cork	Christ King Girls Secondary School	An investigation to see if technology can help children divert from it	Social and Behavioural Sciences	Individual
Cork	Kinsale Community School	How has fake news affected how much we believe the news today?	Social and Behavioural Sciences	Individual
Cork	Kinsale Community School	An investigation into the factors that influence Irish people to eat a vegetarian diet	Social and Behavioural Sciences	Individual



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Cork	Millstreet Community School	Are teenagers carrying risk factors now that we would only see in older people before?	Biological and Ecological	Group - 3 Students
Cork	Bandon Grammar School	Using facial recognition and AI as assistive technology for moderate stage dementia patients.	Technology	Individual
Cork	Millstreet Community School	An investigation into the effects of heavy school bags on young people	Social and Behavioural Sciences	Group - 3 Students
Cork	North Monastery Secondary School	A Smart milking solution	Technology	Group - 3 Students
Cork	Presentation Secondary School - Mitchelstown	Does the Buteyko method of breathing reduce asthma symptoms	Biological and Ecological	Group - 3 Students
Cork	Kinsale Community School	The Effects of Residential Solid Fuel Burning on Local Air Quality	Biological and Ecological	Group - 3 Students
Cork	Mount St Michael	To investigate the accuracy of a Near Infra-Red Spectroscopy mobile machine on testing silage and compare it to traditional laboratory analysis	Biological and Ecological	Individual



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Cork	Coláiste Na Toirbhirte	Can music improve the mood of dementia patients?	Social and Behavioural Sciences	Group - 3 Students
Cork	Mount St Michael	A quantifiable analysis of radiation exposure of human gametes and its potential effect on reproduction	Biological and Ecological	Group - 3 Students
Cork	Coláiste Choilm	Automation of a novel approach to increase biofuel production of nannochloropsis oculata by utilising copper ions to inhibit carnitine biosynthesis	Biological and Ecological	Individual
Cork	Kinsale Community School	A Statistical Analysis on the Strengths and Weaknesses of the Cycle to Work Scheme	Social and Behavioural Sciences	Group - 3 Students
Cork	Coláiste Choilm	Overexposed- An investigation into the photo impairment effect and people's propensity to give away living in the moment.	Social and Behavioural Sciences	Group - 2 Students
Cork	St Aloysius College - Carrigtwohill	The effect of snail gel on scars	Biological and Ecological	Group - 2 Students
Cork	St Aloysius College - Carrigtwohill	If The Shoe Fits...	Technology	Group - 2 Students



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Cork	Presentation College - Cork	Investigate the impact of rowing on the wellbeing of students in the junior and senior squads compared with non-rowers from an Irish boy Secondary School.	Social and Behavioural Sciences	Group - 2 Students
Cork	St Aloysius College - Carrigtwohill	Onions - Friend or foe?	Biological and Ecological	Individual
Cork	Coláiste Na Toirbhirte	To investigate if there is a direct link between parental anxiety and anxiety in their children	Social and Behavioural Sciences	Group - 2 Students
Cork	Scoil Mhuire - Kanturk	The elimination of THMs from water supplies by the polarised separation of water from organic matter	Biological and Ecological	Group - 2 Students
Cork	Coláiste Na Toirbhirte	media photographic adaptation of criminals	Social and Behavioural Sciences	Group - 2 Students
Cork	Coláiste Choilm	Investigation of the antimicrobial effects of both aerial and root parts of selected plants against Staphylococcus aureus.	Biological and Ecological	Individual
Cork	St Francis Capuchin College	Hypnotic Susceptibility	Social and Behavioural Sciences	Group - 2 Students



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Cork	St Aloysius College - Carrigtwohill	The Toxic Truth; Ants vs Fertilisers.	Biological and Ecological	Group - 3 Students
Cork	Skibbereen Community School	Family Study of Factor V Leiden mutation. Its inheritance and its consequences.	Biological and Ecological	Group - 3 Students
Cork	Christ King Girls Secondary School	NATURAL ANTIBIOTICS: CAN THEY SOLVE THE RESISTANCE CRISIS?	Biological and Ecological	Group - 2 Students
Cork	Coláiste Choilm	The Sense of Being Stared At: A statistical analysis of extra sensory perception (ESP)	Social and Behavioural Sciences	Group - 3 Students
Cork	Scoil Mhuire - Kanturk	A Tick in Time	Biological and Ecological	Group - 3 Students
Cork	Christ King Girls Secondary School	The Impact of Two Social Media Sites on the Body Image of Teenage Girls	Social and Behavioural Sciences	Group - 3 Students
Cork	Bandon Grammar School	A Statistical Analysis Of Traffic Speed In A 50 km/h Zone	Social and Behavioural Sciences	Individual
Donegal	Magh Ene College	A test of the intermediate disturbance hypothesis on a rocky sea shore in Bundoran	Biological and Ecological	Group - 3 Students
Donegal	Rosses Community School	Snap Map, To snap or not	Social and Behavioural Sciences	Group - 3 Students
Donegal	Pobalscoil Ghaoth Dobhair	an bhfuil dátheangachas ag cabhrú le fadhbanna a réiteach níos tapúla	Social and Behavioural Sciences	Group - 3 Students



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Donegal	Magh Ene College	An investigation into the effect of different plant extracts on the action of amylase on starch digestion	Biological and Ecological	Group - 3 Students
Donegal	Magh Ene College	: Improved electrochemical capacitor incorporating doped graphene and a liquefied gas electrolyte	Technology	Individual
Donegal	Magh Ene College	An investigation into Biofeedback	Social and Behavioural Sciences	Group - 2 Students
Donegal	Magh Ene College	An investigation of Autumn foraging activity of four species of Irish bat.	Biological and Ecological	Group - 3 Students
Donegal	Pobalscoil Ghaoth Dobhair	An éifeacht éiceolaíochta ata ag daoine ar an Earagail - The ecological impact people have on Errigal Mountain	Biological and Ecological	Group - 3 Students
Donegal	Gaelcholáiste Chineál Eoghain	How Safe are we on the Internet? A Case Study- Cé Chomh Sabháil atá an Idirlíon? An Cás Staideir	Social and Behavioural Sciences	Group - 3 Students
Donegal	Coláiste Ailigh	Staidear a dhéanamh ar an bhféidearthacht a bhaineann le péint bhóthair theirmeachóim mar tháscaire luath-rabhaidh ar Oighear dubh ar bhóithre na hÉireann	Technology	Group - 3 Students



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Donegal	Pobalscoil Ghaoth Dobhair	Pressures on the transition from primary school to secondary school	Social and Behavioural Sciences	Group - 3 Students
Donegal	Coláiste Ailigh	Triall eolaíochta chun taispeaint an tionchar atá ag “cúpla deoch” ar do thiomáint	Social and Behavioural Sciences	Individual
Donegal	Coláiste Ailigh	Imscrúdú a dhéanamh ar an gcaoi a bhfuil amaláis sheileach ceangailte le strus agus scrúdú simplí amaláis sheileach chun leibhéal strus mhic léinn a thomais a fhorbairt.	Biological and Ecological	Individual
Donegal	Coláiste Ailigh	App chun luas na gaoithe ar bharr chnoic a thomhais ón bun.	Technology	Individual
Donegal	St Columba's Comprehensive School	Coastal Erosion in South West Donegal (1951-2017)	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Donegal	Magh Ene College	An investigation into the effect of different strategies on success rate in penalty kicks	Social and Behavioural Sciences	Group - 3 Students
Donegal	Deele College	An exploratory study of Instagram use and its relationship to self esteem and a number of background variables.	Social and Behavioural Sciences	Group - 3 Students



# Qualified Projects 2018

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School County	School Name	Title	Category	Project Type
Down	New-Bridge Integrated College	Class Spell	Technology	Individual
Down	South Eastern Regional College - Bangor Campus	Improving biodiversity within the urban landscape	Biological and Ecological	Group - 2 Students
Down	South Eastern Regional College - Bangor Campus	Ecological stress reduction within a college	Biological and Ecological	Group - 2 Students
Dublin	St Marys College - C.S.Sp.	Using Neural Networks to Mark State Exams	Technology	Individual
Dublin	Marian College	An investigation into the effect of lysozyme on the structural integrity of antibiotic resistant bacteria	Biological and Ecological	Group - 2 Students
Dublin	The Kings Hospital	Identifying Bats from the Roost- Using an Inexpensive Raspberry Pi Bat Detector and PCR.	Biological and Ecological	Group - 2 Students
Dublin	Kishoge Community College	Modelling Evolution: a gradient descent approach to predicting population genetics	Technology	Individual
Dublin	Castleknock Community College	A Study of Bacteria Found on Pedestrian Crossings in Dublin	Biological and Ecological	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Dublin	St Andrew's College	What's the deal with the HPV vaccine?	Social and Behavioural Sciences	Individual
Dublin	Coláiste Eoin	Ag tógáil luasaire caithnín Cockroft-Walton	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Adamstown Community College	Why Do Trans People Have Some of the Highest Suicide Rates in the World?	Social and Behavioural Sciences	Individual
Dublin	Pobalscoil Neasain - Baldoyle	A stastical analysis examining why the prevalence of Lyme Disease is more common in the south of Ireland	Social and Behavioural Sciences	Group - 2 Students
Dublin	Pobalscoil Neasain - Baldoyle	EchoCopter-A safisticated prototype of a model helicopter incorporating a built in Ultrasonic Sensor to allert cabin crew of nearby objects in the flight path of an aircraft.	Technology	Group - 3 Students
Dublin	Pobalscoil Neasain - Baldoyle	Investigating the effects of exposing the polymer BPA within plastic bottles to UV Light and examining if the depletion rate is influenced by the liquid within a bottle.	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	Sutton Park School	The design and testing of a slow release drug system	Chemical, Physical & Mathematical Sciences	Individual



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School County	School Name	Title	Category	Project Type
Dublin	Sutton Park School	Investigating The Forces Transmitted When Heading a Football	Biological and Ecological	Group - 2 Students
Dublin	Sutton Park School	An Investigation of the Incidences of Parasitic Infection in Shellfish	Biological and Ecological	Group - 2 Students
Dublin	Phobailscoil Iosolde	The Development of an Interactive and Tactile Learning Programme for Children with Autism Spectrum Disorder Using Modular Robotics	Technology	Individual
Dublin	Loreto College - St Stephens Green	An Analysis of the Housing Shortage in Ireland using Agent-Based Modelling	Social and Behavioural Sciences	Individual
Dublin	Coláiste Phádraig - Lucan	An investigation into the applications of de Rham cohomology to Riemann surfaces	Chemical, Physical & Mathematical Sciences	Individual
Dublin	St. Fintan's High School	Development of Theoretical Mathematical Models Regarding the Physics of Moment and Levers	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Phobailscoil Iosolde	Using Nanoparticles to increase the Heat Transfer of a Domestic Radiator	Chemical, Physical & Mathematical Sciences	Individual



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School County	School Name	Title	Category	Project Type
Dublin	Phobailscoil losolde	Isolation of Phenylacetonitrile and gas chromatography analysis of the Pitaya plant	Biological and Ecological	Individual
Dublin	Synge Street CBS	An Unusual Problem Involving Sums of Powers of Natural Numbers	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Phobailscoil losolde	An Investigation on The Perception and Processing of Colour Print Versus Black and White Print During Exams	Biological and Ecological	Individual
Dublin	Synge Street CBS	On the Constant Occurring in Haruki's Lemma	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Loreto College - St Stephens Green	Let Science Influence The Voting Age	Social and Behavioural Sciences	Group - 3 Students
Dublin	Synge Street CBS	Exactly Solvable Perturbations of Planetary Orbits	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	Phobailscoil losolde	A Wavelength, Frequency and Visual Spectral Analysis of Human Accents	Chemical, Physical & Mathematical Sciences	Individual



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School County	School Name	Title	Category	Project Type
Dublin	Santa Sabina Dominican College	Aluminium - Let's Reflect on That	Chemical, Physical & Mathematical Sciences	Individual
Dublin	St Andrew's College	Guided Emergency Evacuation for the Visually Impaired	Technology	Group - 3 Students
Dublin	St Joseph Of Cluny	Do some people have a genetic excuse for not liking vegetables?	Biological and Ecological	Group - 3 Students
Dublin	Dominican College	Using UVC Photometry to measure the caffeine content of various drinks	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	Synge Street CBS	An Unusual Continued Fraction Expansion for the Base of Natural Logs	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Loreto College - St Stephens Green	To compare spirometry (lung capacity) of female teenagers who participate in regular choir or sport versus those who do neither.	Biological and Ecological	Individual
Dublin	Loreto Abbey Secondary School	Is everything you think you know about addiction wrong?	Social and Behavioural Sciences	Group - 3 Students
Dublin	Sutton Park School	The Design for a Cooking Water Conservation System for Developing Countries	Technology	Individual



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School County	School Name	Title	Category	Project Type
Dublin	Synge Street CBS	Extensions of Escott's Infinite Product Method for Calculating Square Roots	Chemical, Physical & Mathematical Sciences	Individual
Dublin	St Joseph Of Cluny	To create an app that helps detect glaucoma and other eye diseases using the torchlight and camera on a phone.	Technology	Group - 3 Students
Dublin	Jesus and Mary Secondary School, Our Lady's Grove	The Misleading Portrayal of Psychopathy	Social and Behavioural Sciences	Group - 3 Students
Dublin	Loreto Secondary School - Balbriggan	An investigation into the antibacterial properties and the fermentation capabilities of the yeast content in Kefir	Biological and Ecological	Group - 2 Students
Dublin	Loreto Secondary School - Balbriggan	To Investigate Microplastics in seawater and their effect on marine organisms	Biological and Ecological	Group - 2 Students
Dublin	Loreto High School	Parenting from a Child's Eyes	Social and Behavioural Sciences	Individual
Dublin	Loreto High School	Fruit Ripeness	Chemical, Physical & Mathematical Sciences	Group - 2 Students



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School County	School Name	Title	Category	Project Type
Dublin	Loreto Abbey Secondary School	Are breeding birds bio indicators of climate change?	Biological and Ecological	Individual
Dublin	Blackrock College	How Would a Weakening of the Earth's Magnetic Field Affect Aurora Borealis?	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Loreto Secondary School - Balbriggan	An Education Programme Investigating The Physics of Our Amusement Parks	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	Alexandra College	Poem Machine Translation System	Technology	Individual
Dublin	Loreto College - St Stephens Green	An Extroverted Education? A Study of Personality-Based Bias in the Classroom	Social and Behavioural Sciences	Individual
Dublin	St. Fintan's High School	Windy Cities - Air movement in an urban environment	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	Loreto Secondary School - Balbriggan	Investigating the effect of silver nanoparticles on probiotics	Biological and Ecological	Group - 2 Students
Dublin	Loreto Secondary School - Balbriggan	To investigate whether oil has an effect on the ability of phytoplankton to photosynthesise.	Biological and Ecological	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Dublin	Colaiste Pobail Setanta	A Study on the Understanding of Depression in Secondary School Students	Social and Behavioural Sciences	Group - 3 Students
Dublin	Colaiste Pobail Setanta	A Study in the Variables that Affect Dream Recollection in Teenagers	Social and Behavioural Sciences	Group - 3 Students
Dublin	St Mary's Secondary School	An investigation into televised road safety campaigns, to see if they are having a lasting impact on young teenagers attitudes towards drink and drug driving	Social and Behavioural Sciences	Group - 2 Students
Dublin	St. Fintan's High School	Old Heads vs Young Legs	Social and Behavioural Sciences	Individual
Dublin	Phobailscoil Iosolde	The Beneficial Affect Of Blue Light Reduction On Sleep Patterns And General Well-Being	Biological and Ecological	Individual
Dublin	Loreto High School	A Case Study on Conformity Based on Social Standards: the LGBT+ Community within Secondary Schools	Social and Behavioural Sciences	Individual
Dublin	Terenure College	Using sodium alginate and calcium lactate infused capsules as a method of drug delivery for young children and those on long term medication	Chemical, Physical & Mathematical Sciences	Group - 2 Students



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School County	School Name	Title	Category	Project Type
Dublin	Coláiste Chilliaín	Athchursáil San Lá Atá Inniu Ann	Social and Behavioural Sciences	Group - 2 Students
Dublin	Gaelcholáiste Reachrann	Cé mhéad baictéir a mbíonn ar barr buidéal uisce a bhí roinnte idir foireann spóirt go léir? An ligeann sé do ghalair scaipeadh?	Biological and Ecological	Individual
Dublin	Coláiste Phádraig - Lucan	Can a Chua circuit really be used to produce random sequences	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	St Louis High School	Hi Hydraulics! Vertical Railroad Switch Using Hydraulics	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Santa Sabina Dominican College	Electricity from Photosynthesis	Chemical, Physical & Mathematical Sciences	Individual
Dublin	St Michaels College	A Deep Neural Network to translate American Sign Language into English	Technology	Individual
Dublin	Blackrock College	The Prevention of Sodium Chloride Build-Up on Glass Surfaces	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Coláiste Chilliaín	An bhfuil difríocht idir a bheith ag rith go moch ar maidin agus sa trathnóna?	Social and Behavioural Sciences	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Dublin	Ringsend College	Causes and treatments of anxiety in teenagers	Social and Behavioural Sciences	Group - 2 Students
Dublin	Skerries Community College	Generalizations Of n-Space Geometric Projections and Transformations	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	Belvedere College	Examining the Current Rate of Change in Political Ideologies among Adolescents	Social and Behavioural Sciences	Group - 3 Students
Dublin	Sandford Park School Ltd	Sourdough Bread: an electrophoretic and chromatographic analysis of gluten content and degradation, with consequences for coeliac disease	Biological and Ecological	Individual
Dublin	Ardgillan Community College	Natural or Not? Comparing Microbead Face Scrubs and Naturally Exfoliating Cleansers to Determine the Optimum Product for Adolescent Females	Biological and Ecological	Group - 2 Students
Dublin	Muckross Park College	Memory and The Dive Response	Biological and Ecological	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Dublin	Wesley College - Ballinteer	An Investigation into what Exercises Can Improve the Accuracy of a Person's Peripheral Vision: A Case Study of Hockey and Rugby Players	Biological and Ecological	Group - 2 Students
Dublin	Mount Sackville Secondary School	A Deposit Refund Scheme for Ireland - do we have the bottle?	Social and Behavioural Sciences	Group - 2 Students
Dublin	Skerries Community College	Insects as a Reliable Food Source for the Growing Population	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	St Joseph's Secondary School	Does social jetlag, sleep debt and breakfast patterns effect memory retention in students in post-primary in education	Social and Behavioural Sciences	Group - 3 Students
Dublin	Cabinteely Community School	Superheroes Just Add Science!	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Dublin	Loreto High School	The different effects Mindfulness has on different individuals	Social and Behavioural Sciences	Individual
Dublin	Loreto High School	Balancing Ability and Physical Activity.	Biological and Ecological	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Dublin	Coláiste Eoin	Ag tabhairt aire chuig ár sruthanna uirbeacha atá i bhfolach - measúnú ar an caighdeán uisce	Biological and Ecological	Group - 2 Students
Dublin	Loreto College - Foxrock	Picture This: A study testing visual memory, comparing teens, adults and their environments.	Biological and Ecological	Group - 3 Students
Dublin	Coláiste Eoin	An laghdaíonn rataí as-láithreachais i scoil Éireannach le caighdeán níos airde glaineacht láimhe?	Biological and Ecological	Individual
Dublin	Dominican College - Drumcondra	How can a Mobile App help people with Anxiety or Depression?	Social and Behavioural Sciences	Individual
Dublin	Loreto College - St Stephens Green	Age of instagram foods the impact of providing foods in a safe and hygienic manner	Social and Behavioural Sciences	Individual
Dublin	Coláiste Iosagáin	An Tionchar a Bhíonn ag Factóirí Éagsúla ar Scléaróis Iolrach	Biological and Ecological	Group - 2 Students
Dublin	Coláiste Iosagáin	An gaol idir leibhéil meileatoinine i gcorp an duine agus grianghníomhaíocháí áitiúla	Biological and Ecological	Group - 3 Students
Dublin	St Pauls College	Applying the brachistochrone to sport	Chemical, Physical & Mathematical Sciences	Individual



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School County	School Name	Title	Category	Project Type
Dublin	Mount Anville Secondary School	Spit-tacular Spices!	Biological and Ecological	Group - 3 Students
Dublin	Holy Child Secondary School	The Effectiveness of Ancient Remedies in Treating the Growth of Bacteria	Biological and Ecological	Group - 2 Students
Dublin	Trinity Comprehensive School	To investigate if students learn sport skills better if they are taught through the use of a coaching app.	Social and Behavioural Sciences	Group - 2 Students
Dublin	St Michaels College	Save the Heartbreak	Social and Behavioural Sciences	Individual
Dublin	Le Chéile Secondary School	Fidgets: Friend or Foe?	Social and Behavioural Sciences	Group - 2 Students
Dublin	Loreto Secondary School - Balbriggan	Are the number of people canoeing in Irish rivers contributing to the spread of Aphanomyces astaci in the water.	Biological and Ecological	Group - 2 Students
Dublin	Ardgillan Community College	Problem To Solution: Turning Myriophyllum Spicatum And Elodea Canadensis Into A Third World Fertilising Gelatine	Biological and Ecological	Individual
Dublin	Sandford Park School Ltd	Designing and 3d printing stable bridge designs	Chemical, Physical & Mathematical Sciences	Group - 2 Students



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School County	School Name	Title	Category	Project Type
Dublin	Ardscoil Rís - Dublin	The Influence of Music on Cycling speed (and wheel rotations).	Social and Behavioural Sciences	Individual
Dublin	Alexandra College	The Creation of a Tracking Device	Technology	Group - 3 Students
Dublin	Adamstown Community College	Is your mobile making you less mobile ?	Social and Behavioural Sciences	Group - 2 Students
Dublin	Jesus and Mary Secondary School, Our Lady's Grove	VPN - One in Every Home	Technology	Individual
Dublin	Castleknock College	Fruit - Just eat it	Social and Behavioural Sciences	Individual
Dublin	Coláiste Iosagáin	Mental Health Education in public versus private schools	Social and Behavioural Sciences	Group - 2 Students
Galway	Portumna Community School	Avoid The Worst and Put First Aid First!	Social and Behavioural Sciences	Group - 2 Students
Galway	Portumna Community School	What is the economic effect of the 'School Run'	Social and Behavioural Sciences	Group - 3 Students
Galway	Portumna Community School	Investigation into the growth of algae in blue flag swimming areas	Biological and Ecological	Group - 3 Students
Galway	Gort Community School	Heart Valve Design and Prototype Development	Biological and Ecological	Individual



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School County	School Name	Title	Category	Project Type
Galway	Dominican College - Galway	(Re)Wire: A Solution for Enhancing Student Attention Spans While Studying	Social and Behavioural Sciences	Group - 2 Students
Galway	Calasanctius College	Spherical Wheel System	Technology	Individual
Galway	Seamount College	Helmets for Hockey	Technology	Individual
Galway	Portumna Community School	Speeding up the game of hurling	Technology	Group - 2 Students
Galway	Portumna Community School	An Maith Leat Gaeilge?	Social and Behavioural Sciences	Individual
Galway	Portumna Community School	The relationship between the number of tongue papillae and taste	Biological and Ecological	Group - 3 Students
Galway	Gairmscoil na bPíarsach	Meoin daoine faoi hAiste Bia 'Sláintiúil'	Social and Behavioural Sciences	Group - 3 Students
Galway	Gairmscoil na bPíarsach	An bhfuil leanaí in ann Pírimid an Bhia a husáid i gceart?	Social and Behavioural Sciences	Group - 2 Students
Galway	Coláiste Bhaile Chláir	An investigation into mental health disorders in first world countries	Social and Behavioural Sciences	Group - 3 Students
Galway	St. Mary's College	An Investigation Into The Disengagement Of Galway Teenagers in Politics.	Social and Behavioural Sciences	Group - 2 Students



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School County	School Name	Title	Category	Project Type
Galway	Presentation College - Athenry	A Dual Sensor, Stereo-Feedback Headset For the Visually Impaired	Technology	Group - 2 Students
Galway	Portumna Community School	To establish a dogs recognition of colour	Social and Behavioural Sciences	Group - 3 Students
Galway	Coláiste Iognáid S.J.	THINK BEFORE YOU DRINK:MICROPLASTICS	Biological and Ecological	Group - 3 Students
Galway	Coláiste Bhaile Chláir	A wearable device to provide elderly care	Technology	Group - 2 Students
Galway	St Raphaels College	Compensatory Growth and its Application to Irrigation in Drought Prone Areas	Biological and Ecological	Group - 2 Students
Galway	Coláiste Bhaile Chláir	Pressure Pointes	Social and Behavioural Sciences	Group - 2 Students
Galway	St. Mary's College	How far will you go? Using Impulsivity to predict gambling instincts with a modified UPPS-P test	Social and Behavioural Sciences	Group - 2 Students
Galway	Coláiste Mhuire - Ballygar	"Mental Health & Alcohol – What's the relationship? Is it time to break up? "	Social and Behavioural Sciences	Group - 2 Students
Kerry	Killorglin Community College	An Investigation into using CRISPR-Cas9 to genomically edit Paramecium Caudatum to purify Vibrio Cholera infected water in 3rd world countries.	Biological and Ecological	Individual



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School County	School Name	Title	Category	Project Type
Kerry	C.B.S. Secondary School	BEAP: Blind and Elderly Assistance Project - Artificial Intelligence for the blind	Technology	Group - 3 Students
Kerry	Killorglin Community College	Can your daily routine affect your exam results?	Social and Behavioural Sciences	Individual
Kerry	Comprehensive School - Tarbert	Unknown Jobs for Dogs	Social and Behavioural Sciences	Group - 2 Students
Kerry	Killorglin Community College	Organo Chew	Technology	Individual
Kerry	Coláiste Bhréanainn	Using science to reduce collisions between deer and vehicles	Biological and Ecological	Group - 3 Students
Kerry	Coláiste Bhréanainn	An Investigation into conformity and how minorities can influence it	Social and Behavioural Sciences	Group - 3 Students
Kerry	Mercy Secondary School	HPV: Why Not Me? A statistical analysis on the negative attitudes regarding the Human Papilloma Virus vaccine	Social and Behavioural Sciences	Individual
Kerry	Mercy Secondary School	The knowledge young adults have on homelessness today.	Social and Behavioural Sciences	Group - 2 Students
Kerry	Gaelcholáiste Chiarraí	Resistance to Antibiotics and its relationship with Agriculture.	Biological and Ecological	Group - 2 Students



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School County	School Name	Title	Category	Project Type
Kerry	Mercy Secondary School	An investigation into the teaching and learning of Junior Certificate Physics and the promotion of STEM to female students	Social and Behavioural Sciences	Group - 2 Students
Kerry	Mercy Secondary School	The Development of an Anti-microbial smartphone screen protector.	Biological and Ecological	Individual
Kerry	Comprehensive School - Tarbert	Life Saving Sensor	Technology	Group - 3 Students
Kerry	Gaelcholáiste Chiarraí	comhchosúlachtaí idir an cúbe agus an teitrihéadrán	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Kerry	St. Brigid's Secondary School	The technological world and its life changing effects	Social and Behavioural Sciences	Group - 3 Students
Kildare	Scoil Mhuire Community School	How Different Pesticides and Their Concentrations Affect Cress and its Growth	Biological and Ecological	Group - 3 Students
Kildare	Scoil Mhuire Community School	An Investigation into the Deposition of Metallic Particles in E-Cigarette Vapour.	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Kildare	Patrician Secondary School - Newbridge	Nature vs Nurture : The comparison of organic spider silk vs silk-like polymer on the grounds of mechanical properties and viscoelasticity	Chemical, Physical & Mathematical Sciences	Individual



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School County	School Name	Title	Category	Project Type
Kildare	St Wolstan's Community School	An investigation into the use and awareness of e cigarettes among teens and a comparison of genders	Social and Behavioural Sciences	Group - 2 Students
Kildare	Celbridge Community School	Careful Crossings	Technology	Group - 2 Students
Kildare	St Conleth's Vocational School	Reducing Anxiety in First Year Orientation, using a 3D Game	Technology	Individual
Kildare	Maynooth Education Campus	The XYZ 2000 - Cheap 3D Printing	Technology	Group - 2 Students
Kildare	Salesian College - Celbridge	Quantifying Whiplash : An IoT Sensoring Approach to Help Reduce Insurance Claims Costs	Technology	Individual
Kildare	Coláiste Naomh Mhuire	Food Allergens in Restaurants: Is the Regulation Nuts?	Social and Behavioural Sciences	Group - 3 Students
Kildare	Maynooth Education Campus	Sensory Processing Disorder in our classroom today	Social and Behavioural Sciences	Individual
Kildare	Coláiste Naomh Mhuire	Why are girls underdiagnosed with autism?	Social and Behavioural Sciences	Individual
Kildare	Maynooth Education Campus	A Study on the Effect of Age Ratings on Movies and Video games for Under 15s	Social and Behavioural Sciences	Group - 2 Students



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School County	School Name	Title	Category	Project Type
Kilkenny	Meánscoil na mBráithre Criostaí	The Effect of Foam Rolling on Sprint Speed on active male teenagers	Social and Behavioural Sciences	Group - 3 Students
Kilkenny	Loreto Secondary School - Kilkenny	High Tech vs Low Tech - Which is best for elite junior athletes?_	Social and Behavioural Sciences	Group - 3 Students
Kilkenny	St Kieran's College	Household Anerobic Digestion	Biological and Ecological	Group - 3 Students
Kilkenny	Meánscoil na mBráithre Criostaí	An investigation into the attitude of recycling in Irish students in primary schools and how it changes as they grow into secondary school	Social and Behavioural Sciences	Group - 3 Students
Kilkenny	Castlecomer Community School	The effects of bad footwear	Social and Behavioural Sciences	Group - 3 Students
Kilkenny	Castlecomer Community School	why are gumshield's so unpopular among players amongst players in Gaelic Football, but yet important in the game.	Biological and Ecological	Group - 3 Students
Kilkenny	Castlecomer Community School	A statistical analysis into the HPV vaccine uptake by girls in our school community and the influence of social media.	Social and Behavioural Sciences	Group - 2 Students
Kilkenny	Castlecomer Community School	Why girls exit sport at an early age?	Social and Behavioural Sciences	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Kilkenny	Coláiste Eamann Rís	The affects of six commonly used acne treatments on spots	Biological and Ecological	Group - 2 Students
Kilkenny	Loreto Secondary School - Kilkenny	The Dire Disadvantages to a Celebrity Smile	Social and Behavioural Sciences	Group - 3 Students
Kilkenny	Castlecomer Community School	Do bats use woodpecker holes to roost in Ireland?	Biological and Ecological	Group - 3 Students
Kilkenny	Coláiste Pobal Osraí - Kilkenny	An éifeacht a bhfuil ag boladh ar cuimhne	Social and Behavioural Sciences	Group - 3 Students
Kilkenny	Loreto Secondary School - Kilkenny	The Diversity Challenge - Woman in Business Leadership	Social and Behavioural Sciences	Group - 3 Students
Kilkenny	Loreto Secondary School - Kilkenny	Teaching: The Right Way?	Social and Behavioural Sciences	Group - 3 Students
Laois	Heywood Community School	Need for Speed: An investigation into the effect competition has on your speed when sprinting.	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Laois	Heywood Community School	ASMR - What's Your Trigger?	Social and Behavioural Sciences	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Laois	Heywood Community School	Is text writing and phrasing killing ability to use the English language correctly?	Social and Behavioural Sciences	Group - 2 Students
Laois	Heywood Community School	See What I'm Saying? An investigation into the McGurk Effect, and its correlation with the learning methods of Irish Teenagers	Social and Behavioural Sciences	Individual
Laois	Heywood Community School	The effect of wild bird cover (GLAS) on seed eating bird populations	Biological and Ecological	Individual
Laois	Heywood Community School	A library for Graph Analysis of Github Commit Histories	Technology	Individual
Leitrim	Ballinamore Community School	"But sure, it's only women's football"	Social and Behavioural Sciences	Group - 3 Students
Leitrim	St. Clare's Comprehensive School	Investigation into Calcium ion levels in the anatomy of adult fracture in-patients.	Biological and Ecological	Individual
Leitrim	Mohill Community College	Developing a qualitative method of detecting silica in sandblasted denim fabric	Chemical, Physical & Mathematical Sciences	Individual



# Qualified Projects 2018

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School County	School Name	Title	Category	Project Type
Leitrim	St. Clare's Comprehensive School	Habitat Study: An investigation into the correlation between increased red grouse numbers and high ling heather average heights in Leitrim boglands	Biological and Ecological	Individual
Leitrim	St. Clare's Comprehensive School	An algae survey of the river bonnet as an indicator of pollution	Biological and Ecological	Group - 2 Students
Leitrim	St. Clare's Comprehensive School	The Use Of Augmented Reality To Enhance Students Learning Experiences	Technology	Individual
Limerick	Desmond College - Limerick	Farm Hand	Technology	Group - 2 Students
Limerick	Coláiste Iósaef	FILTER   An algorithm to help detect and combat Fake News	Technology	Individual
Limerick	Desmond College - Limerick	Scrum Developer	Technology	Individual
Limerick	Coláiste Iósaef	To raise awareness about Rett Syndrome and investigate the effect it has on loved ones..	Social and Behavioural Sciences	Group - 3 Students
Limerick	Coláiste Iósaef	Irish farmers concerns for Brexit	Social and Behavioural Sciences	Group - 2 Students



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School County	School Name	Title	Category	Project Type
Limerick	Coláiste Iósaef	The Mark	Social and Behavioural Sciences	Group - 3 Students
Limerick	Coláiste Iósaef	Managing your mental health	Social and Behavioural Sciences	Group - 3 Students
Limerick	Presentation Secondary School - Limerick	The science of FOMO (Fear of Missing Out)	Social and Behavioural Sciences	Group - 3 Students
Limerick	Desmond College - Limerick	Alzheimer's Alert	Technology	Group - 3 Students
Limerick	Gaelcholáiste Luímnigh	Boilgeoga & Broidearnach! Staidéar ar ráta imoibríocht Berocca	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Limerick	Desmond College - Limerick	A comparative Investigation into the Acceptance of Foreign National Students in Rural and Urban Schools	Social and Behavioural Sciences	Individual
Limerick	Castletroy College	Hel-Mate - A concussion monitoring device	Technology	Individual
Limerick	ArdSCOIL Ris - Limerick	The Analysis Of The Affect Of Blue Light On Young People Before They Sleep.	Social and Behavioural Sciences	Group - 3 Students
Limerick	Desmond College - Limerick	A Reflection in Time: The Irish Town: Then and Now	Social and Behavioural Sciences	Individual



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School County	School Name	Title	Category	Project Type
Limerick	Scoil Mhuire agus Ide	Réiteoir	Technology	Group - 3 Students
Limerick	Laurel Hill Secondary School FCJ	Baby on Board- a device that prevents hot car deaths from occurring	Technology	Group - 2 Students
Limerick	Desmond College - Limerick	Don't Bin the Banana Peel- Biomass it!	Technology	Group - 3 Students
Limerick	Ardcoil Ris - Limerick	What makes a Good Science Teacher? Exploring contextualised perceptions of students from a range school types	Social and Behavioural Sciences	Individual
Limerick	Hazelwood College	No keys, no problem!! An innovative key finder to aid individuals locate misplaced keys	Technology	Group - 3 Students
Limerick	Coláiste Iósaef	The side effects of vaping and does it harm your body long term	Biological and Ecological	Group - 2 Students
Limerick	Desmond College - Limerick	An Investigation to compare the antioxidant effects of natural and synthetic food preservatives	Chemical, Physical & Mathematical Sciences	Individual
Limerick	Ardcoil Ris - Limerick	Artificial vs Natural sugar on performance in physical activities	Biological and Ecological	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Limerick	John The Baptist Community School	An investigation into the pre-training nutritional knowledge of secondary level students on the basis of age,gender and sport.	Social and Behavioural Sciences	Group - 3 Students
Limerick	John The Baptist Community School	An investigation to see if the quality of student's handwriting has deteriorated due to technological advancements.	Social and Behavioural Sciences	Group - 3 Students
Limerick	John The Baptist Community School	An investigation comparing auditory and visual learning on the basis of age and gender.	Social and Behavioural Sciences	Group - 3 Students
Limerick	John The Baptist Community School	fake newwwws	Social and Behavioural Sciences	Group - 3 Students
Limerick	John The Baptist Community School	How accurate are best before dates on milk?	Social and Behavioural Sciences	Group - 2 Students
Limerick	Salesian Secondary College, Pallaskenry	A comprehensive study on the prevalence of age related diseases in nursing homes vs people living in their own homes.	Biological and Ecological	Group - 3 Students
Limerick	Castletroy College	An Investigation of Mersenne Prime Numbers	Chemical, Physical & Mathematical Sciences	Individual



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School County	School Name	Title	Category	Project Type
Limerick	Ardscoil Ris - Limerick	What is the most effective way of removing pesticides from our fruit and vegetables?	Biological and Ecological	Group - 3 Students
Limerick	Ardscoil Ris - Limerick	Horse Play	Social and Behavioural Sciences	Group - 3 Students
Limerick	Coláiste Chiaráin	An investigation into the sugar of smoothie drinks	Biological and Ecological	Group - 2 Students
Limerick	Thomond Community College	An investigation of female participation in Irish politics	Social and Behavioural Sciences	Group - 3 Students
Limerick	Thomond Community College	Automatic Emergency Services Alerter	Technology	Group - 3 Students
Limerick	Salesian Secondary College, Pallaskenry	GST Power Punch	Technology	Group - 3 Students
Limerick	Laurel Hill Secondary School FCJ	The investigation and the correlation of the importance of blood tests for all age groups in today's modern society.	Social and Behavioural Sciences	Group - 2 Students
Limerick	Colaiste Ide and Iosef	Does the amount of time spent online correlate with your knowledge of internet safety as a teenager?	Social and Behavioural Sciences	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Limerick	Coláiste Iósaef	A statistical analysis of Irish student's perspectives on the usage of steroids and to raise awareness about the effects they have on your body in the future	Social and Behavioural Sciences	Group - 3 Students
Limerick	Gaelcholáiste Luímnigh	Blagálaí ag athrú ár Sochaí? Staidéar ar athrú nósanna daoine de bharr an Meáin Shóisialta	Social and Behavioural Sciences	Group - 3 Students
Limerick	Crescent College Comprehensive	Asking the Future about the Present - The Statistics of Cognitive Conflict in Relation to Refugees in Ireland.	Social and Behavioural Sciences	Group - 3 Students
Limerick	Hazelwood College	Subtle Manipulation: An investigation into people's awareness of the discreet enhancement techniques used by advertisers	Social and Behavioural Sciences	Group - 2 Students
Limerick	Laurel Hill Coláiste FCJ	Global Warming: Fact or Fiction?? A statistical analysis into the opinions of Irish people on Global Warming.	Social and Behavioural Sciences	Group - 3 Students
Limerick	Coláiste Iósaef	A statistical analysis on the gender inequality in leadership roles in the education sector	Social and Behavioural Sciences	Group - 2 Students
Limerick	Salesian Secondary College, Pallaskenry	Benefits of planting kale both financially for farmers and physically for cows.	Biological and Ecological	Group - 2 Students



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School County	School Name	Title	Category	Project Type
Limerick	Gaelcholáiste Luímnigh	An féidir linn plandaí a fás le ceirtíní tais	Biological and Ecological	Group - 2 Students
Limerick	Colaiste Mhuire - Askeaton	Let's do more with our CH <sub>4</sub> ; The collection of methane gas from household food waste bins.	Technology	Group - 2 Students
Londonderry	St Mary's College	Investigating the amount of synthetic dyes in various foods and drinks using a homemade spectrophotometer	Chemical, Physical & Mathematical Sciences	Individual
Londonderry	St Mary's College	Investigating the effect of different coloured LEDs on the growth of plants	Biological and Ecological	Group - 2 Students
Londonderry	St Mary's College	The development and testing of a simple, inexpensive wound dressing that indicates infection	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Londonderry	Oakgrove Integrated College	Comparison of actual and perceived challenges faced by transgender students at post-primary level	Social and Behavioural Sciences	Group - 3 Students
Londonderry	Loreto College Coleraine	Water Bridges	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Londonderry	St Mary's College	Investigating the factors that affect the marinating of foods	Chemical, Physical & Mathematical Sciences	Group - 2 Students



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School County	School Name	Title	Category	Project Type
Londonderry	Loreto College Coleraine	Magic Marbles	Chemical, Physical & Mathematical Sciences	Individual
Londonderry	Coleraine Grammar	Reducing Particulate Pollution Using Ionisers	Chemical, Physical & Mathematical Sciences	Individual
Londonderry	Loreto College Coleraine	The Memory effect	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Londonderry	Coleraine Academical Institution	Could the antimicrobial effects of plants be used to prevent the overuse antibiotics?	Biological and Ecological	Individual
Longford	Meán Scoil Muire	An investigation on the safety of elderly people using pedestrian crossings	Social and Behavioural Sciences	Group - 2 Students
Longford	Lanesboro Community College	The cure for poor health literacy?: An investigation into the readability of public health resources.	Social and Behavioural Sciences	Individual
Longford	Lanesboro Community College	“Every day counts: A statistical analysis of the impact of attendance on Junior Cert results”	Social and Behavioural Sciences	Individual



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School County	School Name	Title	Category	Project Type
Longford	Lanesboro Community College	An investigation into the effect of illicit substance use on student attainment in the Junior Cert	Social and Behavioural Sciences	Group - 3 Students
Longford	Ballymahon Vocational School	Suicide Awareness	Social and Behavioural Sciences	Group - 3 Students
Longford	Ardcoil Phadraig	Bird boxes of any benefit?	Biological and Ecological	Group - 2 Students
Longford	Lanesboro Community College	Smartphones- Can They Affect the Neuroplasticity of Babies and Young Children?	Social and Behavioural Sciences	Individual
Louth	De La Salle College - Dundalk	Dublin Dominance.-Where does it begin?	Social and Behavioural Sciences	Group - 3 Students
Louth	St Vincent's Secondary School	An investigation into two types of stretching and muscle temperature increases pre, during and post stretch and implications for sporting performance	Biological and Ecological	Group - 3 Students
Louth	St Vincent's Secondary School	A comparative study into the reported advantages and disadvantages of Insulin pumps.	Social and Behavioural Sciences	Group - 3 Students
Louth	De La Salle College - Dundalk	Virtual Fitness	Social and Behavioural Sciences	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Louth	St Vincent's Secondary School	Is there a positive correlation between hand-eye coordination and peripheal vision in sport.	Biological and Ecological	Group - 3 Students
Louth	St Vincent's Secondary School	To determine the effect of mindful meditation on stress levels and sleep patterns in adolescents	Social and Behavioural Sciences	Group - 3 Students
Louth	Our Ladys College - Drogheda	A Hele-Shaw cell experiment	Chemical, Physical & Mathematical Sciences	Individual
Louth	Bush Post Primary School	Sprain Away Gloves	Technology	Group - 2 Students
Louth	Bush Post Primary School	Gender Wage Gap Fact or Fiction	Social and Behavioural Sciences	Group - 3 Students
Louth	Bush Post Primary School	Are there benefits to using health-tracking technology	Biological and Ecological	Group - 3 Students
Louth	Bush Post Primary School	Investigation of Attitudes of Male and Female Attitudes towards Abortion	Social and Behavioural Sciences	Group - 3 Students
Mayo	Sacred Heart School	To Investigate The Differences in How Unchallenged Children and Children with Down Syndrome Perceive Gender Roles as They Age	Social and Behavioural Sciences	Individual



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School County	School Name	Title	Category	Project Type
Mayo	St. Mary's Secondary School	An Investigation of the Impact Compression of Soil by Farm Machinery has on the Growth of Plants and Micro-organisms	Biological and Ecological	Group - 2 Students
Mayo	Sancta Maria College	Investigating changing weather patterns as a possible cause of population decline in Swift breeding pairs in Ireland.	Biological and Ecological	Individual
Mayo	St. Mary's Secondary School	The interesting correlation between dog's defecation habits and the earth's magnetic field.	Biological and Ecological	Group - 3 Students
Mayo	Ballinrobe Community School	A comparative study on the affect of climate on the emotions of teenagers in Ireland and Slovakia	Social and Behavioural Sciences	Individual
Meath	Beaufort College	SafeRide	Technology	Individual
Meath	Loreto Secondary School - Navan	To test for the presence of zinc in hair	Biological and Ecological	Individual
Meath	St Peter's College - Dunboyne	OTC Med Minder	Technology	Group - 2 Students
Meath	St. Joseph's Secondary School	Grass Roots of Muscle Soreness	Biological and Ecological	Group - 2 Students



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School County	School Name	Title	Category	Project Type
Meath	St Patrick's Classical School	Roofing Safety Bar	Technology	Group - 2 Students
Meath	Loreto Secondary School - Navan	Attacking Eye Tracking	Social and Behavioural Sciences	Group - 2 Students
Monaghan	Coláiste Oiriall	Scrúdaigh do Theanga – an Géineolaíocht taobh thiar de do Bhlas	Biological and Ecological	Group - 2 Students
Offaly	Tullamore College	Self Sustainable Homes-Is Initial Cost A Barrier	Social and Behavioural Sciences	Group - 3 Students
Offaly	Colaiste Choilm	Investigating the coalesced effects of a neoteric diet with novel drugs as antiproliferative cancer agents	Biological and Ecological	Individual
Offaly	Gallen Community School	A solar thermal collector efficiency measurement device and analysis	Technology	Individual
Roscommon	C.B.S. Roscommon	Does a mart affect the surrounding water quality	Biological and Ecological	Group - 3 Students
Roscommon	C.B.S. Roscommon	An Investigation into the effect the Lanesboro Power Station has on Water Quality in the River Shannon	Biological and Ecological	Individual
Roscommon	C.B.S. Roscommon	Undergrazing: The effects	Biological and Ecological	Group - 2 Students



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School County	School Name	Title	Category	Project Type
Roscommon	C.B.S. Roscommon	An investigation into the phytoremediation of fertiliser runoff in Co. Roscommon	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Roscommon	C.B.S. Roscommon	An investigation into the effect of common drinks in the dissolution of kidney stones	Chemical, Physical & Mathematical Sciences	Individual
Roscommon	Roscommon Community College	The Effects of Japanese Knotweed on Agriculture	Biological and Ecological	Group - 3 Students
Roscommon	C.B.S. Roscommon	Wherever I lay my Bat, that's my home	Biological and Ecological	Group - 3 Students
Roscommon	Roscommon Community College	Attitudes to Public Green Space in Rural Irish Towns: An Investigation into Perceptions and Use of Roscommon and Longford Town Parks	Social and Behavioural Sciences	Individual
Roscommon	C.B.S. Roscommon	An investigation into the effects of vaporizers on plant growth	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Roscommon	St Nathy's College	Does Money Buy You A Smile?	Social and Behavioural Sciences	Group - 2 Students
Roscommon	Scoil Mhuire Strokestown	Assessment of flukicide efficacy against Faciola hepatica in sheep and cattle	Biological and Ecological	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Roscommon	Scoil Mhuire Strokestown	Investigate if forestation in rural areas affects adjacent farm land soil quality and viability	Biological and Ecological	Individual
Roscommon	Scoil Mhuire Strokestown	The Formula For "Super Honey"	Biological and Ecological	Group - 2 Students
Roscommon	C.B.S. Roscommon	The Effect of Colour on the Perception of Taste .	Biological and Ecological	Group - 3 Students
Roscommon	Castlereagh Community School	Do Onions and Garlic have a place in Modern Day Medicine?	Biological and Ecological	Group - 2 Students
Roscommon	Castlereagh Community School	the views of the Irish public based on age, religion and gender towards the life of the unborn.	Social and Behavioural Sciences	Group - 2 Students
Roscommon	Scoil Mhuire gan Smál - Roscommon	Creating Change: How reading can create empathy for marginalised groups.	Social and Behavioural Sciences	Individual
Roscommon	Scoil Mhuire gan Smál - Roscommon	The creation of a gluten detection kit	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Roscommon	Scoil Mhuire gan Smál - Roscommon	The Future of the Mobile Phone	Social and Behavioural Sciences	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Roscommon	Scoil Mhuire gan Smál - Roscommon	to examine if oral electrolytes supplements in the form of an over the counter purchased drinks have an effect on cardiovascular performance, tested during exercise.	Biological and Ecological	Group - 3 Students
Roscommon	Scoil Mhuire gan Smál - Roscommon	The effect of Kinesiology tape vs Placebo in sports injuries involving muscles.	Biological and Ecological	Group - 3 Students
Roscommon	Castlerea Community School	An investigation into the best absorbation material for horse bedding	Biological and Ecological	Group - 2 Students
Sligo	Ursuline College	Smells like Non-Sense	Social and Behavioural Sciences	Group - 3 Students
Sligo	Ursuline College	Does the Girl Fall Far from the STEM?- An Investigation into Gender Inequality in STEM Careers.	Social and Behavioural Sciences	Group - 2 Students
Sligo	Ursuline College	Does Time Fly? An investigation into time perception	Social and Behavioural Sciences	Group - 3 Students
Sligo	Ursuline College	Life Line	Technology	Individual
Sligo	Summerhill College	Reasoning in Intelligent Systems: Abstraction and Structure	Chemical, Physical & Mathematical Sciences	Individual



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School County	School Name	Title	Category	Project Type
Sligo	Jesus & Mary Secondary School	King Arthur and Harry Potter? A Computational linguistic analysis to prove Arthurian themes	Chemical, Physical & Mathematical Sciences	Individual
Sligo	Mercy College	Can birds predict the weather?	Biological and Ecological	Group - 3 Students
Sligo	Mercy College	Codladh I Do Chulaith Scoile	Social and Behavioural Sciences	Group - 3 Students
Sligo	Jesus & Mary Secondary School	A study of non-marine mollusc shells found at Bartragh, Enniscrone, Co Sligo	Biological and Ecological	Individual
Tipperary	St. Mary's Secondary School	An investigation of the effect of different materials on bee health	Biological and Ecological	Group - 3 Students
Tipperary	Cistercian College	Does the quantity of food eaten effect the quality of sleep.	Social and Behavioural Sciences	Group - 2 Students
Tipperary	The Abbey School	The Effects of Non-Selection for Physical Activities on Adolescents' Mental Well-Being	Social and Behavioural Sciences	Group - 2 Students
Tipperary	Comeragh College	Common Misconceptions about Autism among Students.	Social and Behavioural Sciences	Group - 3 Students
Tipperary	Coláiste Mhuire Co-Ed	Analysing the effect on first year students' positivity using 'Three Good Things'	Social and Behavioural Sciences	Individual



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School County	School Name	Title	Category	Project Type
Tipperary	Ursuline Secondary School - Thurles	investigating the extraction process of resveratrol from japanese knotweed root and the possibility of its use as a bio fuel.	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Tipperary	Cistercian College	Does music genre effect milk quality and quantity of dairy cows	Biological and Ecological	Group - 2 Students
Tipperary	Our Ladys Secondary School	A cent wiser, a pound heavier! If we are what we eat, do we really know what we are eating?	Biological and Ecological	Group - 2 Students
Tipperary	St Joseph's College - Borrisoleigh	Image Completion using Generative Adversarial Networks	Technology	Individual
Tipperary	St Joseph's College - Borrisoleigh	An investigation into variance in female performance levels throughout the month.	Social and Behavioural Sciences	Group - 2 Students
Tipperary	St Joseph's College - Borrisoleigh	Motor+	Technology	Group - 2 Students
Tipperary	Ursuline Secondary School - Thurles	Does the phonetic alphabet transcription of a word help language pronunciation	Social and Behavioural Sciences	Group - 2 Students
Tipperary	Presentation Secondary School - Thurles	A wireless connection for machinery equipment lights	Technology	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Tipperary	Presentation Secondary School - Thurles	Ticking Yes or No; A statistical study investigating parents attitudes towards the HPV vaccine and their information sources.	Social and Behavioural Sciences	Individual
Tipperary	Presentation Secondary School - Thurles	Comparing CSII ( Continuous Subcutaneous Insulin Infusion ) with MDI ( Multiple Daily Injections ) in Type 1 Diabetics Children	Biological and Ecological	Group - 3 Students
Tipperary	Colaiste Phobáil Rós Cré	The Cognitive acceleration from primary school to secondary school- Are we ready?	Social and Behavioural Sciences	Individual
Tipperary	Cistercian College	An investigation into the prevention and control of MRSA	Biological and Ecological	Individual
Tipperary	Presentation Secondary School - Thurles	Not Just For Nails	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Tipperary	Colaiste Phobáil Rós Cré	Driver Fatigue- We need to wake up	Technology	Group - 3 Students
Tipperary	Comeragh College	To Investigate the Effects of Mobile Phones on Academic Performance.	Social and Behavioural Sciences	Group - 3 Students
Tyrone	Cookstown High School	PiView Renewable Energy	Technology	Group - 3 Students



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School County	School Name	Title	Category	Project Type
Waterford	Ard Scoil Na Mara	From Wonder Woman to Daddy Pig; An investigation of the sexist conditioning of children through TV and film	Social and Behavioural Sciences	Group - 3 Students
Waterford	Ard Scoil Na Mara	Could your blood be killing you?	Social and Behavioural Sciences	Individual
Waterford	Ard Scoil Na Mara	Clearwater: Correct UV energy for safe drinking water	Technology	Individual
Waterford	De La Salle College - Waterford	The impact of zero grazing on soil nutrient levels.	Biological and Ecological	Group - 2 Students
Waterford	Ard Scoil Na Mara	Are there gender differences in the detection of colours?	Biological and Ecological	Group - 2 Students
Westmeath	Moate Community School	Ireland's Burning Problem: The Ecological Impact of Gorse Fires	Biological and Ecological	Group - 2 Students
Westmeath	Moate Community School	Fridge Free Freshness	Biological and Ecological	Group - 2 Students
Westmeath	Our Lady's Bower	Adaptive 'L' and 'N' Plates for use in cars	Technology	Group - 2 Students
Westmeath	Our Lady's Bower	Flake Free? A reality? A study into the effect of active ingredients used in anti dandruff shampoos on basidiomycetus	Biological and Ecological	Group - 2 Students



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School County	School Name	Title	Category	Project Type
Westmeath	Athlone Community College	Is clean country air just a myth?	Biological and Ecological	Group - 3 Students
Westmeath	Athlone Community College	To Creche or Not To Creche	Social and Behavioural Sciences	Group - 3 Students
Westmeath	Our Lady's Bower	Saved By The Beep	Technology	Group - 3 Students
Westmeath	Colaiste Mhuire - Mullingar	Immune-nation	Biological and Ecological	Group - 3 Students
Westmeath	Our Lady's Bower	Cultivation on ocean	Technology	Individual
Westmeath	Colaiste Mhuire - Mullingar	Can Syrian refugees adapt to life in Ireland?	Social and Behavioural Sciences	Individual
Westmeath	Athlone Community College	Classroom CO2 levels and its effect on student cognitive performance	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Westmeath	Castlepollard Community College	Why don't you drink?	Social and Behavioural Sciences	Group - 2 Students
Westmeath	Colaiste Mhuire - Mullingar	The I.C.E. Helmet	Technology	Group - 3 Students
Westmeath	Our Lady's Bower	Preventing Obesity, Diabetes and Heart Diseases - Using Diet Induced Thermogenesis	Biological and Ecological	Individual



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School County	School Name	Title	Category	Project Type
Westmeath	St Finian's College	A Data Analytical Approach to Classifying Odours according to their Chemical Properties	Chemical, Physical & Mathematical Sciences	Individual
Wexford	Creagh College	Dia-beating Hypos	Biological and Ecological	Group - 2 Students
Wexford	F.C.J.Secondary School	Madralert - a Methane Gas Alarm for Dogs.	Technology	Individual
Wexford	St Peter's College - Wexford	To Examine the Effect of Waterborne Environmental Contaminants on Plant Physiology	Biological and Ecological	Group - 3 Students
Wexford	Meanscoil Gharman	Ag fiosrú na heifeachtaí de phróibhitheacha E.M.	Biological and Ecological	Group - 3 Students
Wexford	Meanscoil Gharman	Éifeacht na gcuótaí inscne ar Dáil Éireann	Social and Behavioural Sciences	Group - 2 Students
Wexford	Loreto Secondary School - Wexford	Use of Essential Oils for the Control of Bacteria	Biological and Ecological	Individual
Wicklow	Avondale Community College	Glogos – Self-Illuminating Clothing	Chemical, Physical & Mathematical Sciences	Individual
Wicklow	Avondale Community College	Autism! Living with sensory overload.	Social and Behavioural Sciences	Group - 2 Students



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School County	School Name	Title	Category	Project Type
Wicklow	Avondale Community College	A Comparison of Predicted Weather Versus Actual Weather. Is There as Much of a Difference as People Think?	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Wicklow	Scoil Chonglais	Music Through Neural Networks	Technology	Individual
Wicklow	Gaelcholaiste Na Mara - Arklow	Léigh anois go curamach do scrúdpháipéir.....	Social and Behavioural Sciences	Group - 3 Students
Wicklow	Avondale Community College	Teaching an Old Dog New Tricks!	Biological and Ecological	Group - 2 Students
Wicklow	Scoil Chonglais	Modelling Engineering Applications with Technic Mechanisms and Mindstorm Robotics	Technology	Group - 3 Students
Wicklow	East Glendalough School	River-Nanny - Analysis and Monitoring River Ecosystems - Balancing Drinking Water Use with Natural Environment in a Changing Climate	Technology	Individual
Wicklow	St Marys College	The secret to cleaning your gum shield in less than a minute, grab and go	Biological and Ecological	Group - 2 Students
Wicklow	St Marys College	Why Fidget Spinners Are More Than Toys	Social and Behavioural Sciences	Individual
Wicklow	St Marys College	Are the best before dates "milking" the consumers?	Biological and Ecological	Group - 2 Students



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School County	School Name	Title	Category	Project Type
Wicklow	St Marys College	Teenaged veganism! Is it possible	Social and Behavioural Sciences	Group - 2 Students
Wicklow	Coláiste Bhríde	The Fault in Our Stars	Social and Behavioural Sciences	Group - 2 Students
Wicklow	Dominican College - Wicklow	Experimental and theoretical investigation of air resistance on falling coffee filters and ping pong balls	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Wicklow	Dominican College - Wicklow	The physics of the trebuchet catapult	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Wicklow	Dominican College - Wicklow	An investigation into the physics of a whirligig with the aim of producing a simple blood centrifuge that can be used in developing countries	Technology	Group - 2 Students