

## Qualified Projects 2017

The following projects have qualified for the BT Young Scientist & Technology Exhibition at the RDS, Dublin, 11-14 January 2017 (not all projects are listed)

School County	School Name	Title	Category	Project Type
Antrim	Ballyclare High School	Augmented Reality Sudoku Solver	Chemical, Physical & Mathematical Sciences	Individual
Antrim	Ballymena Academy	Branch Strike Detector	Technology	Individual
Antrim	St Killian's College	Dyslexic Aid	Technology	Group - 3 Students
Antrim	St Killian's College	Virtual Music Maker	Technology	Group - 2 Students
Antrim	Ballyclare High School	Collapse Response System	Technology	Group - 3 Students
Antrim	Ballymena Academy	Eazy Zleep - eczema relief	Biological and Ecological	Group - 3 Students
Antrim	Fort Hill College	The effect of diluting antibacterial soap	Biological and Ecological	Group - 3 Students
Armagh	St Patrick's High School	Blocked Heads	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Armagh	St Catherine's College	Sugar content of smoothies sold in retail outlets	Biological and Ecological	Group - 2 Students
Carlow	St. Leo's College	Effect of microwaving and boiling on the Vitamin C content of fresh orange juice.	Chemical, Physical & Mathematical Sciences	Individual
Cavan	Colaiste Dun an Ri	Waste Not Wash More. An investigation into how much washing up liquid you should use	Chemical, Physical & Mathematical Sciences	Individual
Cavan	Bailieborough Community School	Smartphone Hologram	Technology	Group - 3 Students

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Cavan	Bailieborough Community School	Why does the colour red irritate bulls	Biological and Ecological	Group - 3 Students
Cavan	Colaiste Dun an Ri	"tudes" to Fude Dudes	Social and Behavioural Sciences	Individual
Cavan	Colaiste Dun an Ri	'The Twilight Years' Nursing home care compared to living alone.	Social and Behavioural Sciences	Individual
Cavan	Colaiste Dun an Ri	Breastfeeding support groups: A statistical analysis into whether women who have access to this support will persevere through the challenging times.	Social and Behavioural Sciences	Individual
Cavan	Colaiste Dun an Ri	Troponin:Indicator of heart attack or shock to the system?	Social and Behavioural Sciences	Group - 2 Students
Cavan	Colaiste Dun an Ri	What animals are we afraid of? and more importantly, Why?	Social and Behavioural Sciences	Group - 2 Students
Cavan	Loreto College - Cavan	Is wine the new tea?	Social and Behavioural Sciences	Group - 2 Students
Clare	Mary Immaculate Secondary School - Lisdoonvarna	Could rushes be used as a fuel?	Chemical, Physical & Mathematical Sciences	Individual
Clare	Scariff Community College	An Application of Finite Element Analysis Techniques to Study How The Geometry of Common Sports Bats Affects The Performance of The Bat	Chemical, Physical & Mathematical Sciences	Group - 3 Students

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Clare	Mary Immaculate Secondary School - Lisdoonvarna	Saoránach	Technology	Individual
Clare	St. Joseph's Secondary School	Motorbike Safety App	Technology	Group - 2 Students
Clare	Mary Immaculate Secondary School - Lisdoonvarna	Does damage affect the strength of Laminaria digitata	Biological and Ecological	Individual
Clare	Mary Immaculate Secondary School - Lisdoonvarna	An investigation into the composition of the gas found in the bladders of Ascophyllum nodosum and Fucus vesiculosus	Biological and Ecological	Individual
Clare	Mary Immaculate Secondary School - Lisdoonvarna	Examining total metal content in river water in a Burren catchment area	Biological and Ecological	Individual
Clare	Mary Immaculate Secondary School - Lisdoonvarna	Do Irish beaches contain microplastics?	Biological and Ecological	Group - 2 Students
Clare	Mary Immaculate Secondary School - Lisdoonvarna	Is vegetation on limestone pavement in the Burren advancing or retreating?	Biological and Ecological	Group - 2 Students
Clare	Meánscoil Na Mbráithre	The Health Benefits of Iodine Found in Seaweed	Biological and Ecological	Group - 3 Students

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Clare	Scoil Mhuire	Challenge testing a cosmeceutical cream containing the seaweed extract <i>Fucus vesiculosus</i>	Biological and Ecological	Group - 2 Students
Clare	St. Joseph's Secondary School	Investigation into the environmental impact of forestry plantation in Ireland	Biological and Ecological	Group - 3 Students
Clare	Mary Immaculate Secondary School - Lisdoonvarna	Did gender quotas change voting patterns?	Social and Behavioural Sciences	Individual
Clare	St. Joseph's Secondary School	An investigation into how single gender schools and co ed schools effect children in the future	Social and Behavioural Sciences	Group - 3 Students
Clare	St. Joseph's Secondary School	"Don't sweat the small stuff" can drawings on sensory be used to increase understanding of ASD. Our 'ideal transition year class' - A science for all approach.	Social and Behavioural Sciences	Group - 2 Students
Cork	St Mary's Secondary School - Mallow	Assessment and evaluation of the production and combustion of fuel pellets made from waste coffee grounds; Impact on waste minimisation in Ireland	Chemical, Physical & Mathematical Sciences	Individual
Cork	Schull Community College	Comparing antioxidant levels of berries grown under different conditions using the Briggs Rauscher reaction in conjunction with a photometer.	Chemical, Physical & Mathematical Sciences	Individual

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Cork	Coláiste Muire - Crosshaven	Modelling the Mathematics of the Cork Accent	Chemical, Physical & Mathematical Sciences	Individual
Cork	Presentation College	How to throw better.	Chemical, Physical & Mathematical Sciences	Individual
Cork	Coláiste An Spioraid Naomh	Case study of Data Mining in Observational Astronomy: The search for new OB stars in the Small Magellanic Cloud	Chemical, Physical & Mathematical Sciences	Individual
Cork	St Aloysius School	A comparative study of the natural sugar and vitamin C content in commercial Bear Yoyos, our own homemade equivalent and fresh fruit.	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Cork	Sacred Heart Secondary School	An Investigation into Flexagons	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Cork	Coláiste Na Toirbhirte	An analysis of the water quality in Bandon area and effective purifying methods	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Cork	Bandon Grammar School	Does the temperature that batteries are stored at affect battery life?	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Cork	Coláiste Choilm	Why an apple a day keeps the doctor away	Chemical, Physical & Mathematical Sciences	Group - 3 Students

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Cork	St Mary's Secondary School - Mallow	Uptake, accumulation and transfer of Alpha Radioactivity by five common food crops grown in selected Cork soils, some amended with Phosphate Fertiliser; impact for human health	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Cork	Scoil Mhuire gan Smál - Blarney	A Comparative Study of Willow and Other Woods for the Purpose of Ascertaining the Best Properties for the Manufacture of Cricket Bats	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Cork	St Aloysius College	Think outside the sink	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Cork	Bandon Grammar School	The Statistical Analysis of the Birth Dates of Thoroughbred Racehorses and the subsequent impact on their Racing Career	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Cork	Ardcoil Uí Urmoltaigh	The Maths of Rigged Roulette Wheel	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Cork	Colaiste An Phiarsaigh	An Éifeacht Atá ag Fad an Fearsáid don Chlub Gailf ar Luascadh an Imreoir	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Cork	Coláiste An Spioraid Naoimh	Epidemic Models for Secondary Schools	Chemical, Physical & Mathematical Sciences	Group - 3 Students

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Cork	North Monastery Secondary School	An autonomous system that provides information on the well-being of patients suffering from dementia.	Technology	Individual
Cork	Coláiste An Spioraid Naomh	PizzaBot Reheated: Using Random Generation to Create an Infinite Game	Technology	Individual
Cork	Clonakilty Community College	GPS Smart Counter Whip	Technology	Group - 3 Students
Cork	North Monastery Secondary School	Weight....How heavy is my bin?	Technology	Group - 2 Students
Cork	Coláiste Choilm	'A device to pre-empt damage in slats on farms across the country	Technology	Group - 2 Students
Cork	St Mary's High School	THINK FAST!	Technology	Group - 3 Students
Cork	Clonakilty Community College	Design and development of a home security robot.	Technology	Group - 2 Students
Cork	Clonakilty Community College	Development of an Improved Rowing Machine Handle to Increase Feathering Muscle Build-up	Technology	Group - 3 Students
Cork	Davis College	Independence	Technology	Group - 3 Students
Cork	Clonakilty Community College	A Low Cost Non-Electirc Air Cooling Fridge	Technology	Group - 3 Students
Cork	Christ King Girls Secondary School	An investigation on whether cereal is a healthy breakfast option for CHILDREN	Biological and Ecological	Individual

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Cork	Coláiste Chríost Rí	Raising awareness and showing the benefits of A2 milk	Biological and Ecological	Individual
Cork	Bandon Grammar School	A novel approach to growing Nannochloropsis in a controlled environment and it's subsequent ability to produce oil	Biological and Ecological	Individual
Cork	Carrigtwohill Community College	Investigating to see if there is a correlation between atmospheric carbon dioxide levels and soil pH	Biological and Ecological	Individual
Cork	Bandon Grammar School	A comparison of foot biomechanics in sport playing and non-sport playing teens	Biological and Ecological	Individual
Cork	Mount St Michael	Investigation into the effects of the reduction of Earthworms in Irish Soil due to the presence of New Zealand flatworms and pesticides	Biological and Ecological	Individual
Cork	Bandon Grammar School	Using Households Items for the Faecal Counts of Parasite of Farm Animals	Biological and Ecological	Individual
Cork	Coláiste Choilm	An Investigation into the Application of Symsagittera roscoffensis & it's symbiont Tetraselmis convolutae in Neurobiology and Biotechnology.	Biological and Ecological	Individual
Cork	Schull Community College	Agroforestry and Carbon Sequestration	Biological and Ecological	Group - 3 Students



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Cork	Coláiste Choilm	: To investigate the carbon footprints of various foods and to test how additional carbon footprint information would influence consumers decisions.	Biological and Ecological	Group - 2 Students
Cork	Coláiste Choilm	Does Soil Management Influence Flooding?	Biological and Ecological	Group - 3 Students
Cork	Carrigtwohill Community College	An investigation into whether diluting disinfectants can be selective for increased bacterial resistance	Biological and Ecological	Group - 2 Students
Cork	Kinsale Community School	Impact of sound pitch on the biological gustatory perception mechanism, a quantitative comparative study between adults and children.	Biological and Ecological	Group - 2 Students
Cork	Bandon Grammar School	How effective is smoking as a preservative on fish; is chilling during processing really necessary?	Biological and Ecological	Group - 2 Students
Cork	Schull Community College	The Anisakis Simplex Solution	Biological and Ecological	Group - 3 Students
Cork	Coláiste Choilm	Hang on in there - living on an inter-tidal rocky shore	Biological and Ecological	Group - 2 Students
Cork	Colaiste Treasa	Prey availability for hen harriers in managed farmland	Biological and Ecological	Group - 2 Students
Cork	Clonakilty Community College	Investigation into Concentrated Cherry Extract to Aid Muscle Recovery	Biological and Ecological	Group - 3 Students

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Cork	Kinsale Community School	An Investigative Study into the Viability of Microbiota in Commercially Available Probiotics	Biological and Ecological	Group - 2 Students
Cork	Coláiste Choilm	To investigate the prevalence of micro-plastics in various seawater and fresh water fish species by analyzing their stomach contents	Biological and Ecological	Group - 2 Students
Cork	Schull Community College	Comparison of the structures of dried reflex and emotional tears.	Biological and Ecological	Group - 3 Students
Cork	Coláiste Choilm	Potential uses of hydrophobic sands in different environmental conditions	Biological and Ecological	Group - 3 Students
Cork	Coláiste Choilm	How Different Factors Affect Tastebuds	Biological and Ecological	Group - 3 Students
Cork	St Mary's Secondary School - Macroom	Does the Gearagh make Clean Air? - The detection of Air pollution using Lichens as an indicator.	Biological and Ecological	Group - 2 Students
Cork	St Aloysius College	Are our classrooms making us sick?	Biological and Ecological	Group - 2 Students
Cork	Coláiste Pobal Bheanntrai	An investigation into the use of the Cyclopterus Lumpus to combat the problem of sea lice in salmon farming in Bantry Bay.	Biological and Ecological	Group - 3 Students
Cork	Coláiste Pobal Bheanntrai	Put a halt to that Headache! Which pain killer has the fastest dissolution time?	Biological and Ecological	Group - 2 Students
Cork	Schull Community College	Dublin Bay Prawns- Improving Quality	Biological and Ecological	Group - 3 Students

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Cork	Bandon Grammar School	An investigation into Nisin, a preservative in cheese, and it's affects on Oesophagal and Colon Human cancer cells	Biological and Ecological	Group - 2 Students
Cork	Bandon Grammar School	Increasing Soil Fertility - is Biochar the Answer?	Biological and Ecological	Group - 2 Students
Cork	Ardscoil Uí Urmoltaigh	Birds and their Love Affair with Milking Parlours	Biological and Ecological	Group - 3 Students
Cork	Sacred Heart Secondary School	A natural safe pesticide to control varroa mites infesting Irish beehives.	Biological and Ecological	Group - 3 Students
Cork	Midleton College	Foal sickness containment and prevention	Biological and Ecological	Group - 2 Students
Cork	Kinsale Community School	A Statistical Study to Assess Subjectively and Objectively the Claimed Benefit of Repetitive Colouring on People's Stress Levels	Social and Behavioural Sciences	Individual
Cork	Christ King Girls Secondary School	Living with Hearing Loss: The Influence of Environmental Factors on Speech Audibility	Social and Behavioural Sciences	Individual
Cork	Kinsale Community School	Intelligent Transport Management Systems Have Arrived; is Human Behaviour Now the Limiting Factor to the Minimisation of Phantom Traffic Jams?	Social and Behavioural Sciences	Individual
Cork	Colaiste Treasa	A statistical analysis of asthma awareness in Ireland.	Social and Behavioural Sciences	Individual

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Cork	Kinsale Community School	A statistical analysis of people's attitudes towards antibiotics including antibiotic resistance	Social and Behavioural Sciences	Individual
Cork	Kinsale Community School	A Statistical Study Investigating if The Media Publicity of The Whistleblower Report has Affected People's Trust in The Gardaí	Social and Behavioural Sciences	Individual
Cork	Kinsale Community School	Statistical Comparison of Irish Attitudes to Settled Migrants.	Social and Behavioural Sciences	Individual
Cork	Kinsale Community School	Too cool to wear hi-viz to school? A statistical analysis of the attitude of secondary school students to wearing hi-viz on their commute to school.	Social and Behavioural Sciences	Individual
Cork	Kinsale Community School	The Effectiveness of a Healthy Lifestyle Reward Scheme for Second level Schools A Quantitative Analysis	Social and Behavioural Sciences	Individual
Cork	Kinsale Community School	PROJECT TITLE: A Statistical Evaluation to Understand how Beliefs, Lifestyle Factors and Sensory Perceptions influence the consumption of Tap and Bottled Water	Social and Behavioural Sciences	Individual
Cork	Bandon Grammar School	Impact of Using Different Types of Traffic Calming Measures in a Small Rural Village	Social and Behavioural Sciences	Individual

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Cork	Coláiste An Spioraid Naoimh	Portion Sizes: Knowledge and Education	Social and Behavioural Sciences	Individual
Cork	Coláiste Choilm	God Help Us	Social and Behavioural Sciences	Individual
Cork	Presentation Secondary School	Know your A-B-C'S (App for Babysitters on Childcare and Safety)	Social and Behavioural Sciences	Individual
Cork	Coláiste Muire - Crosshaven	Tech Issues: An Analysis of the Impact of Mobile Phones on Pro-social Behaviour	Social and Behavioural Sciences	Individual
Cork	Kinsale Community School	'Not What the Doctor Ordered': A statistical study investigating whether Cost is the main incentive for self-medication.	Social and Behavioural Sciences	Individual
Cork	Colaiste Treasa	Infantilisation of Youth: A study of the association between infantilisation of teenagers and mental well-being in later life.	Social and Behavioural Sciences	Individual
Cork	Coláiste Na Toirbhirte	Parental Positivity and Putting Positivity into Everyday	Social and Behavioural Sciences	Individual
Cork	Mount Mercy College	When It All Goes Wrong - The Psychological Effects Of A Farm Accident	Social and Behavioural Sciences	Individual
Cork	Coláiste Muire - Crosshaven	Introverts Vs Extroverts : Alcohol Consumption	Social and Behavioural Sciences	Individual

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Cork	Colaiste Treasa	Fresh air, Friend or Foe? The development of an app to combat rural seclusion among the Irish farming community .	Social and Behavioural Sciences	Group - 2 Students
Cork	Kinsale Community School	A statistical analysis of the public's attitudes towards tattoos and an assessment of their impact on employment opportunities.	Social and Behavioural Sciences	Group - 3 Students
Cork	Kinsale Community School	A Statistical Analysis of Dream Recollection Based on Age, Gender and Lifestyle	Social and Behavioural Sciences	Group - 3 Students
Cork	Bandon Grammar School	How can we improve the mindfulness of young people in Ireland?	Social and Behavioural Sciences	Group - 3 Students
Cork	Scoil Mhuire	Irlen glasses	Social and Behavioural Sciences	Group - 2 Students
Cork	Kinsale Community School	the age of adoption a smart phones- a study of past and future	Social and Behavioural Sciences	Group - 2 Students
Cork	Scoil Mhuire	Siúcra Tóg Go Bog É	Social and Behavioural Sciences	Group - 3 Students
Cork	Presentation Secondary School	Whey or No Whey?	Social and Behavioural Sciences	Group - 3 Students
Cork	Coláiste Choilm	Barefoot or runners - how do I achieve my maximum performance?	Social and Behavioural Sciences	Group - 3 Students

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Cork	Presentation Secondary School	Understanding the Diversity Landscape in Science and Engineering in Industry throughout Ireland and existing perceptions among Women.	Social and Behavioural Sciences	Group - 2 Students
Cork	Coláiste Choilm	Did You Just Assume My Gender? - Gender Spectrum Awareness In Young People	Social and Behavioural Sciences	Group - 2 Students
Cork	Kinsale Community School	A statistical analysis of people's awareness of the dangers of Bisphenol A (BPA) in reused disposable plastic bottles.	Social and Behavioural Sciences	Group - 3 Students
Cork	Kinsale Community School	A Statistical Analysis of the General Public's Opinions and Awareness to the Sea Levels Rising.	Social and Behavioural Sciences	Group - 3 Students
Cork	Coláiste Choilm	The Secret Life of Teens	Social and Behavioural Sciences	Group - 3 Students
Cork	Scoil Mhuire gan Smál - Blarney	Does science practical work, work	Social and Behavioural Sciences	Group - 3 Students
Cork	St Mary's Secondary School - Macroom	Where are the banbhainisteoirí?	Social and Behavioural Sciences	Group - 2 Students
Cork	Coláiste Choilm	To Bonus or Not to Bonus – An investigation to see the effect Higher Level Maths has on other subjects	Social and Behavioural Sciences	Group - 3 Students
Cork	Pobalscoil na Tríonóide	To investigate the behavior of horses being ridden alone compared to in a group	Social and Behavioural Sciences	Group - 2 Students

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Cork	St Mary's Secondary School - Macroom	The Effects of Powdered Protein on Athletes	Social and Behavioural Sciences	Group - 2 Students
Cork	Millstreet Community School	What Olympic sport is most suitable for me ?	Social and Behavioural Sciences	Group - 3 Students
Cork	Millstreet Community School	Epileptic or Drunk? An awareness campaign to highlight symptoms of epilepsy	Social and Behavioural Sciences	Group - 3 Students
Cork	St Mary's Secondary School - Macroom	I spy with my colored eye	Social and Behavioural Sciences	Group - 2 Students
Cork	Millstreet Community School	The correlation between success in an Olympic sport and participation in that sport following the Olympics	Social and Behavioural Sciences	Group - 3 Students
Cork	Gaelcholáiste Mhuire	An eifeacht do cluichí ríomhaireachta ar an gcorp	Social and Behavioural Sciences	Group - 3 Students
Cork	Bandon Grammar School	Evaluating the impact of a digital literacy programme on students digital wellbeing in our school	Social and Behavioural Sciences	Group - 2 Students
Cork	Coláiste Pobal Bheanntrai	Are Irish Islands becoming extinct? An investigation into the attitudes of Islanders towards the declining population of Ireland's Islands	Social and Behavioural Sciences	Group - 2 Students



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Cork	St Aloysius College	To examine the differences between a traditional ash wood hurley and a fibre glass hurley and to recommend which hurley seems more suitable to the game of hurling.	Social and Behavioural Sciences	Group - 2 Students
Cork	Kinsale Community School	A Study Using Statistical Methods To Assess The Awareness Levels of the LungWorm Parasite in Canines and its Effects	Social and Behavioural Sciences	Group - 3 Students
Cork	Millstreet Community School	'A statistical investigation into the sodium chloride content of ration'	Social and Behavioural Sciences	Group - 3 Students
Cork	Regina Mundi College	Can listening to music while studying help students get better exam results?	Social and Behavioural Sciences	Group - 3 Students
Cork	Millstreet Community School	What are the ideal weather conditions for high scoring in GAA?	Social and Behavioural Sciences	Group - 3 Students
Cork	Colaiste Daibheid	Scrúdú stáit nó scrúdú intinne?	Social and Behavioural Sciences	Group - 3 Students
Cork	Kinsale Community School	A statistical analysis of the influence of the media on the knowledge of the 1916 Rising to illustrate the understanding of pupils, knowledge of their heritage	Social and Behavioural Sciences	Group - 2 Students
Cork	Sacred Heart Secondary School	Just a Bunch of Phoneyes	Social and Behavioural Sciences	Group - 2 Students
Cork	St Aloysius College	The Generation that technology forgot	Social and Behavioural Sciences	Group - 2 Students

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Cork	Sacred Heart Secondary School	Can music help us to retain our memories?	Social and Behavioural Sciences	Group - 2 Students
Cork	Coláiste Na Toirbhirte	The Sugar Babe Generation: Is our addiction to sugar damaging teenage health everywhere?	Social and Behavioural Sciences	Group - 3 Students
Cork	Sacred Heart Secondary School	Investment in Health Literacy is an Investment in Health	Social and Behavioural Sciences	Group - 2 Students
Cork	Kinsale Community School	Comparing the Opinions of Males/Females Towards Homeless Women in Irish Society	Social and Behavioural Sciences	Group - 2 Students
Cork	Sacred Heart Secondary School	Too Mobile To Sleep	Social and Behavioural Sciences	Group - 3 Students
Cork	North Monastery Secondary School	a statistical analysis of the attitudes of 'pay by weight' bin charges amongst people living in the North side of Cork city	Social and Behavioural Sciences	Group - 2 Students
Cork	Kinsale Community School	A statistical study on people's misconception of portion sizes and the influence it has on the Irish obesity epidemic	Social and Behavioural Sciences	Group - 3 Students
Cork	Bandon Grammar School	Louise O' Niell 'Asking For It' Fact or Fiction?	Social and Behavioural Sciences	Group - 2 Students
Cork	Kinsale Community School	A study using statistical methods of the impact the BT Young Scientist has on ones self-esteem	Social and Behavioural Sciences	Group - 2 Students

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Cork	St Aloysius College	Food for Thought	Social and Behavioural Sciences	Group - 2 Students
Cork	Kinsale Community School	A statistical study on the causes of distracted driving and how it can be prevented	Social and Behavioural Sciences	Group - 2 Students
Cork	Coláiste Muire - Crosshaven	The Power of Proximity	Social and Behavioural Sciences	Group - 2 Students
Cork	Scoil na mBráithre Chríostaí	PE, should it be a leaving cert subject?	Social and Behavioural Sciences	Group - 3 Students
Donegal	Magh Ene College	An investigation into developing a more efficient method of drying woodchip for use in boilers.	Chemical, Physical & Mathematical Sciences	Individual
Donegal	Pobalscoil Ghaoth Dobhair	Ag Fiosrú Teoiric Pick ag úsáid Lego ( investigating Picks Theorem Using Lego)	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Donegal	Pobalscoil Ghaoth Dobhair	Turas go Croí-Lár na h-Éireann - Samhail Mhatamaticiúil (Journey to the Centre of Ireland - A Mathematical Model)	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Donegal	Pobalscoil Ghaoth Dobhair	Ag cuardach an modh is éifeactaí chun Ailgéabar a theagasc don chéad bhlian.	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Donegal	Coláiste Ailigh	Modelling the effect of solid electrolyte thickness on the performance characteristics of a novel hybrid supercapacitor battery	Technology	Individual

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Donegal	Choláiste Cholmille	Can Mirror Therapy Improve Basketball Skills?	Biological and Ecological	Group - 3 Students
Donegal	Magh Ene College	An Investigation into the Effects of Trampling on Ground-dwelling Insects in a Sand Dune Ecosystem in Co. Donegal	Biological and Ecological	Group - 3 Students
Donegal	Deele College	A Study into the development of young drivers on Irish roads	Social and Behavioural Sciences	Individual
Donegal	Carndonagh Community School	Manipulative Media	Social and Behavioural Sciences	Individual
Donegal	Magh Ene College	A Case-study into Public Awareness of Microbeads in Personal Care and Household Products	Social and Behavioural Sciences	Group - 3 Students
Donegal	Magh Ene College	A survey of parental attitudes in the North-West towards the HPV vaccine	Social and Behavioural Sciences	Group - 2 Students
Donegal	Gairm Scoil Chú Uladh	“Comparáid a dhéanamh idir an éifeachtacht de ‘Traenáil H.I.T.T.’ (Aclaíocht Ard-Déine) agus Cleachtaí ‘Mindfulness’ (Aireachas) mar straitéisí fá choinne déagoirí le dul i ngl	Social and Behavioural Sciences	Group - 3 Students
Down	Our Lady's GS	An Investigation of the Salinity of Irish Coastal Waters	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Down	New-Bridge Integrated College	Pi-Ticket	Technology	Individual

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Down	South Eastern Regional College - Bangor Campus	Investigating the link between habitat and the antibacterial effect of honey	Biological and Ecological	Group - 2 Students
Dublin	Adamstown Community College	Go Bananas! Using Banana Peel for Eco-Friendly and Low-Cost Nylon Production	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Coláiste Phádraig - Lucan	Anagramic squares	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Synge Street CBS	Methods of Representing Primes That Distinguish Between the Components of Twin Prime Pairs	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Sandford Park School Ltd	A Quantum Random Number Generator for cryptographic applications	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Loreto Abbey Secondary School	Does Your Speed While Running Vary Depending On The Surface That You're Running On?	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Coláiste Phádraig - Lucan	P-Adic Numbers: A Method for Determining Pythagorean Triplets	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Sutton Park School	The design and testing of a safe drinking water system for developing countries	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	Synge Street CBS	New Conjectures Concerning the Partition Function	Chemical, Physical & Mathematical Sciences	Group - 2 Students

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Dublin	Synge Street CBS	Generalisations of Feynman's Triangle Theorem	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	St Joseph Of Cluny	Analysis of the mineral content and taste of bottled and tap water	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	Gaelcholáiste an Phiarsaigh	An dhéanann déantús croí an sliotar difríocht in éifeachtacht an sliotar?	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Dublin	Sandford Park School Ltd	The Cloud Chamber	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	Coláiste Phádraig - Lucan	The effect of temperature and viscosity on a sonoluminescence	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	Loreto Abbey Secondary School	To investigate Quantities need to make a biodegradable polymer	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Dublin	Pobalscoil Neasain - Baldoyle	A chemical analysis investigating the effects of exposing the polymer Bisphenol A (BPA) within plastic bottles to ultra violet light.	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	Pobalscoil Neasain - Baldoyle	A Mathematical Analysis Applying the Golden Ratio to Snapchat Filters	Chemical, Physical & Mathematical Sciences	Group - 3 Students

## Qualified Projects 2017

The following projects have qualified for the BT Young Scientist & Technology Exhibition at the RDS, Dublin, 11-14 January 2017 (not all projects are listed)

Dublin	Synge Street CBS	Proving New Theorems Using Barycentric Coordinates	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	Blackrock College	Protein Glue	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Dublin	Sandford Park School Ltd	Cyberstick	Technology	Individual
Dublin	Sutton Park School	Protecting turbofans from foreign object damage.	Technology	Individual
Dublin	St Andrew's College	Developing a Smart Water Meter	Technology	Individual
Dublin	Wesley College - Ballinteer	Building a better dew collection system	Technology	Individual
Dublin	Coláiste Phádraig - Lucan	Detecting sports injuries as they happen using an Arduino based monitoring system	Technology	Individual
Dublin	Ardgillan Community College	Energy Scavenging Clothing	Technology	Individual
Dublin	St Declan's College	Li-Pi	Technology	Individual
Dublin	Terenure College	qCrypt: The quantum-secure, encrypted, data storage solution with multijurisdictional quorum sharding technology	Technology	Individual
Dublin	Our Ladys School - Templeogue	Multi-Functional Pen	Technology	Group - 3 Students

## Qualified Projects 2017

The following projects have qualified for the BT Young Scientist & Technology Exhibition at the RDS, Dublin, 11-14 January 2017 (not all projects are listed)

Dublin	St Benildus College	A smoke alarm geared towards alerting hard of hearing/deaf people to fires at home and in the workplace	Technology	Group - 2 Students
Dublin	Coláiste Cois Life	Mo Lorg Carbóin	Technology	Group - 3 Students
Dublin	Portmarnock Community School	Mobile Emergency-International Solution	Technology	Group - 2 Students
Dublin	Luttrelstown Community College	LifeStats	Technology	Group - 3 Students
Dublin	St Andrew's College	Does the storage of potatoes affect their solanine content	Biological and Ecological	Individual
Dublin	Sandford Park School Ltd	Time as a variable in bread production	Biological and Ecological	Individual
Dublin	Sutton Park School	Investigating and testing bio-degradable compost bags made from bio-molecular waste.	Biological and Ecological	Individual
Dublin	Loreto High School	A Scientific Study of Autonomous Sensory Meridian Response	Biological and Ecological	Individual
Dublin	Alexandra College	A comparative evaluation of the water quality of ponds and lakes in Dublin City parks using pH, nitrate and Biological Oxygen Demand testing	Biological and Ecological	Individual
Dublin	Santa Sabina Dominican College	An Investigation into the Tolerance Levels of Daphnia on Carbon Dioxide and Acid Rain	Biological and Ecological	Individual



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Dublin	Phobailscoil losolde	The natural economical and environmental insecticide for use in third world countries	Biological and Ecological	Individual
Dublin	Ardgillan Community College	advanced ecological study of Wavin Lake	Biological and Ecological	Individual
Dublin	Loreto College - St Stephens Green	Are blood types a contributing factor of head lice?	Biological and Ecological	Group - 2 Students
Dublin	Loreto College - Foxrock	Does Simulating a Lack of Binocular Vision Have An Impact on performance?	Biological and Ecological	Group - 3 Students
Dublin	Mount Anville Secondary School	Sycamore poisoning in horses, is it weather related ?	Biological and Ecological	Group - 3 Students
Dublin	Loreto Secondary School - Balbriggan	Investigating the Behaviour of Seagulls in our Area	Biological and Ecological	Group - 3 Students
Dublin	Loreto College - Foxrock	The Great Gluten Bake Off: An analysis of the effects of raising agents and stabilisers in gluten free baking.	Biological and Ecological	Group - 2 Students
Dublin	Our Ladys School - Templeogue	Quantitative study of Portion Sizes in Irish takeaway restaurants.	Biological and Ecological	Group - 2 Students
Dublin	Colaiste Pobail Setanta	Does weight and height effect football fundamentals	Biological and Ecological	Group - 3 Students
Dublin	Gonzaga College	A study of Brent Geese on Sandymount Strand	Biological and Ecological	Group - 3 Students

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Dublin	Loreto Secondary School - Balbriggan	Does consuming certain varieties of potatoes as a staple food in a diet, increase blood glucose levels & chance of high blood pressure and diabetes in a sample of Rush residents	Biological and Ecological	Group - 3 Students
Dublin	Loreto Abbey Secondary School	To compare different levels of pollution around Dublin by using leaf yeast as a bioindicator of air quality.	Biological and Ecological	Group - 2 Students
Dublin	Coláiste Bríde	My Cancerous Cell	Biological and Ecological	Group - 3 Students
Dublin	Coláiste Mhuire	Éifeacht atá ag caiféin ar daoine éagsúil	Biological and Ecological	Group - 3 Students
Dublin	Phobailscoil Iosolde	To find out if the theory of long finger genetics affect your ability to play football.	Biological and Ecological	Group - 2 Students
Dublin	Loreto Secondary School - Balbriggan	An investigation into the short term effects of the HPV vaccine on female secondary school students	Biological and Ecological	Group - 3 Students
Dublin	Blackrock College	Does music affect performance in sport?	Biological and Ecological	Group - 2 Students
Dublin	Skerries Community College	A comparative study of lichen species in the supralitoral zone at sensitive points from Dublin to Drogheda.	Biological and Ecological	Group - 3 Students
Dublin	Santa Sabina Dominican College	To test the effect of music on the pulse rate	Biological and Ecological	Group - 2 Students

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The following projects have qualified for the BT Young Scientist & Technology Exhibition at the RDS, Dublin, 11-14 January 2017 (not all projects are listed)

Dublin	Loreto Secondary School - Balbriggan	An investigation into the effects of swimmers' sun cream on the behaviour, burrow depth and orientation of <i>Talitrus saltator</i> .	Biological and Ecological	Group - 2 Students
Dublin	Loreto College - Foxrock	Underage Female Athletes and Ankle Injuries – What is the Relationship between Jump Strength, Balance and Proprioception	Biological and Ecological	Group - 3 Students
Dublin	Loreto Secondary School - Balbriggan	To investigate whether contrast sensitivity can be improved from regular exposure to action video games and the impact on everyday tasks on a teenager with myopia	Biological and Ecological	Group - 2 Students
Dublin	St Mary's Secondary School	Does using the lift have a negative impact on the health of teenage girls?	Biological and Ecological	Group - 3 Students
Dublin	Ardgillan Community College	Do You Buckle Up? Investigating the Number of Primary School Children who are not Properly Secured During Travel by Car	Social and Behavioural Sciences	Individual
Dublin	Dominican College	An analysis of the Brexit referendum by age immigration and area	Social and Behavioural Sciences	Individual
Dublin	Ardgillan Community College	Muscle madness; teenagers fixation on supplemented protein and its harmful effect in the body	Social and Behavioural Sciences	Individual
Dublin	Loreto High School	Does Your Name Determine Your Place In Society?	Social and Behavioural Sciences	Individual

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Dublin	Loreto College - St Stephens Green	The Effects the Development of Technology has on Linguistics	Social and Behavioural Sciences	Individual
Dublin	Jesus and Mary Secondary School, Our Lady's Grove	What Causes Stress In Teenagers?	Social and Behavioural Sciences	Individual
Dublin	Loreto Secondary School - Balbriggan	To investigate the effects of health and lifestyle games on the behaviour of students	Social and Behavioural Sciences	Individual
Dublin	Old Bawn Community School	To Investigate the Attitudes of Irish People towards Compulsory Religious Education	Social and Behavioural Sciences	Individual
Dublin	St Conleth's College	Play Now, Study Later?	Social and Behavioural Sciences	Group - 2 Students
Dublin	Scoil Chaitriona	Think Fast: Analysing the visual reaction times of GAA athletes versus non GAA athletes	Social and Behavioural Sciences	Group - 3 Students
Dublin	Sandford Park School Ltd	Once more with feeling - do Emojis help us to communicate	Social and Behavioural Sciences	Group - 2 Students
Dublin	Adamstown Community College	Access to clean drinking water in schools for all students to provide well-being?	Social and Behavioural Sciences	Group - 2 Students
Dublin	Loreto College - Foxrock	The study of the beats per minute on canine heartrate and response times	Social and Behavioural Sciences	Group - 3 Students

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Dublin	Clonkeen College	To investigate the presence of negativity bias in Irish secondary level students try to find what influences it.	Social and Behavioural Sciences	Group - 3 Students
Dublin	Colaiste Pobail Setanta	ANALYSING MICRO EXPRESSIONS	Social and Behavioural Sciences	Group - 3 Students
Dublin	Loreto High School	Rendered Speechless by your own voice	Social and Behavioural Sciences	Group - 3 Students
Dublin	Pobalscoil Neasain - Baldoyle	A statistical examination into the impact a low fat diet has on obesity, obesity related illness and government expenditure on health care within Ireland	Social and Behavioural Sciences	Group - 3 Students
Dublin	Mount Sackville Secondary School	An Investigation into the comparison of virtual learning versus conventional learning among school going pupils	Social and Behavioural Sciences	Group - 3 Students
Dublin	Alexandra College	An Investigation Into the Impact Of a Person's Birth Order on their Personality	Social and Behavioural Sciences	Group - 3 Students
Dublin	Alexandra College	An investigation into teenage awareness of, attitudes towards and use of e-cigarettes compared with traditional cigarette	Social and Behavioural Sciences	Group - 3 Students
Dublin	Loreto College - St Stephens Green	"Lying is Wrong, Except When it Isn't"	Social and Behavioural Sciences	Group - 3 Students
Dublin	Portmarnock Community School	The study of spatial data and its applications	Social and Behavioural Sciences	Group - 3 Students

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Dublin	Technical Institute	Self-Diagnostic Tool	Social and Behavioural Sciences	Group - 3 Students
Galway	Coláiste na Coiribe	Autonomously Landing Rockets	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Galway	Coláiste Bhaile Chláir	Sensi: The sensory exercise app	Technology	Group - 2 Students
Galway	Portumna Community School	'Conglaturation!' You have completed an Arcade Cabinet!	Technology	Group - 2 Students
Galway	Coláiste Bhaile Chláir	The Bike Collision Sensor	Technology	Group - 3 Students
Galway	Coláiste Bhaile Chláir	Home is where the smart is - use your sensors!	Technology	Group - 3 Students
Galway	Coláiste Bhaile Chláir	Smart Plug	Technology	Group - 3 Students
Galway	Coláiste Bhaile Chláir	The Hox Project - Using RFID technology to advance medicine	Technology	Group - 2 Students
Galway	Coláiste Éinde	A unique approach to biomimicry in bipedal locomotion	Technology	Group - 2 Students
Galway	Seamount College	Is the incidence of Bovine TB in South Galway higher than the National Average	Biological and Ecological	Individual
Galway	Portumna Community School	An investigation of the pillars of physical activity and heart rate towards healthy living	Biological and Ecological	Group - 3 Students
Galway	Glenamaddy Community School	ASHES AN UNDERVALUED NUTRIENT	Biological and Ecological	Group - 2 Students

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Galway	Portumna Community School	Seven days without physical activity makes one WEAK!!	Biological and Ecological	Group - 3 Students
Galway	Portumna Community School	The impact of moderate exercise on the onset of degenerative diseases.	Biological and Ecological	Group - 2 Students
Galway	Dominican College - Galway	The Effects of Microplastics on the Reproduction of Daphnia magna	Biological and Ecological	Group - 3 Students
Galway	Coláiste Ghobnait	Laghdú Stus i mBainisíocht Ba	Biological and Ecological	Group - 2 Students
Galway	Ardscoil Mhuire	The Green Crisps - To Investigate and Compare the Nutritional Values of Potato Crisps And Kale Crisps	Biological and Ecological	Group - 2 Students
Galway	Merlin College	A Scientific Investigation of the Cures and Folkways of the Irish Traveller	Social and Behavioural Sciences	Individual
Galway	Portumna Community School	Do you understand Type 1 diabetes?	Social and Behavioural Sciences	Individual
Galway	Gaelcholáiste an Eachréidh	MiContact	Social and Behavioural Sciences	Individual
Galway	Coláiste Bhaile Chláir	Ability in Maths: Could a fixed Mind-set be our problem?	Social and Behavioural Sciences	Group - 3 Students
Galway	Portumna Community School	Children in Critical Care Units – The Simple Truth	Social and Behavioural Sciences	Group - 3 Students
Galway	Portumna Community School	Post-Brexit: Saving our Top Five	Social and Behavioural Sciences	Group - 3 Students

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Galway	Coláiste Mhuire	Lifestyle survey of students at Colaiste Mhuire Ballygar.	Social and Behavioural Sciences	Group - 2 Students
Kerry	Killorglin Community College	Tractor Safe Lock	Technology	Individual
Kerry	Killorglin Community College	Ultra Vision	Technology	Individual
Kerry	Comprehensive School - Tarbert	Bristles, less power lost by Thistles.	Technology	Group - 2 Students
Kerry	Comprehensive School - Tarbert	Electronic Shopping Cart	Technology	Group - 3 Students
Kerry	Killorglin Community College	Does playing board games help people with dyslexia?	Social and Behavioural Sciences	Individual
Kerry	Gaelcholáiste Chiarraí	Investigation into the impact of mindfulness as part of a school curriculum	Social and Behavioural Sciences	Group - 3 Students
Kerry	Comprehensive School - Tarbert	equestrian road safety	Social and Behavioural Sciences	Group - 3 Students
Kerry	The Intermediate School	An Investigation into the Effect the Lunar Cycle has on Students	Social and Behavioural Sciences	Group - 2 Students
Kildare	Maynooth Education Campus	To investigate the maximum height a water rocket can achieve	Chemical, Physical & Mathematical Sciences	Individual
Kildare	Patrician Secondary School - Newbridge	Can a slinky defy gravity?	Chemical, Physical & Mathematical Sciences	Group - 2 Students



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Kildare	Scoil Mhuire Community School	The harmful effects of dry burning an electronic cigarette.	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Kildare	Scoil Dara	You've Got Braille	Technology	Individual
Kildare	Maynooth Education Campus	To cut the risks or delay onsets of dementia and other chronic neurodegenerative diseases with the use of an Android game	Technology	Individual
Kildare	Scoil Mhuire Community School	The effect of exercise on surgical scar tissue	Biological and Ecological	Individual
Kildare	St Pauls Secondary School	Is organic really best?	Biological and Ecological	Group - 2 Students
Kildare	Coláiste Naomh Mhuire	'The Effects of Different Artificial Lights and Soil Acidity on the Vitamin A Content of Carrots'	Biological and Ecological	Group - 3 Students
Kildare	Celbridge Community School	Slowing Ireland down!	Social and Behavioural Sciences	Group - 2 Students
Kildare	Ardcoil Rath Iomgháin	Does the involvement of children in numerous after school activities cause more harm than good?	Social and Behavioural Sciences	Group - 2 Students
Kildare	St Wolstan's Community School	Working ways, Working hours.	Social and Behavioural Sciences	Group - 3 Students
Kildare	Geal Cholaiste Chill Dara	The Effects Children with Autism have On Their Loved Ones	Social and Behavioural Sciences	Group - 2 Students

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Kildare	Maynooth Education Campus	School Buses: Improved system	Social and Behavioural Sciences	Group - 3 Students
Kildare	Kildare Town Community School	Can Fidgeting Help To Focus and Concentrate in The Classroom and What The Most Suitable 'Fidget'	Social and Behavioural Sciences	Group - 2 Students
Kilkenny	St Kieran's College	hydroelectric waste water turbines	Technology	Group - 3 Students
Kilkenny	Coláiste Eamann Rís	The effect of light levels on stem curvature on pea plants	Biological and Ecological	Group - 2 Students
Kilkenny	Castlecomer Community School	The physical effects of hard surface running (roads) vs soft surface running (grass)	Biological and Ecological	Group - 3 Students
Kilkenny	Castlecomer Community School	Which chicks thrive better, Incubated chicks or naturally hatched chicks	Biological and Ecological	Group - 3 Students
Kilkenny	Loreto Secondary School - Kilkenny	Elderly Mobility: Move to Improve?	Biological and Ecological	Group - 2 Students
Kilkenny	St Kieran's College	An investigation into the effectiveness of planting linseed and oat habitats on Wexford farms, on the populations of declining farmland birds.	Biological and Ecological	Group - 3 Students
Kilkenny	Coláiste Pobal Osraí - Kilkenny	Iniúchadh ar an nasc idir lotnaidicídí agus máchail bhreithe	Biological and Ecological	Group - 2 Students
Kilkenny	Presentation Secondary School	Equine injuries, how they occur and preventative methods.	Biological and Ecological	Group - 2 Students

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Kilkenny	Coláiste Pobal Osraí - Kilkenny	Anailís staitisticiúil ar thionchar cuairteanna chúraim dheonacha ar dhearfacht mheoin othair gheiriatracha.	Social and Behavioural Sciences	Individual
Kilkenny	Loreto Secondary School - Kilkenny	Are we ready to vote?- An investigation into the difference in political knowledge of 16 year olds versus 18 year olds with a view to reduce the voting age.	Social and Behavioural Sciences	Group - 3 Students
Kilkenny	Loreto Secondary School - Kilkenny	Stay in the Game-a solution to teenage dropout from sport	Social and Behavioural Sciences	Group - 3 Students
Kilkenny	Loreto Secondary School - Kilkenny	Intelligent Tablets - Does your learning intelligence suit your tablet?	Social and Behavioural Sciences	Group - 3 Students
Kilkenny	Loreto Secondary School - Kilkenny	An intervention to investigate if increased education on the topic of Osteoporosis and the importance of Dairy will increase Calcium and Vitamin D intake in Teenage Girls	Social and Behavioural Sciences	Group - 2 Students
Laois	Portlaoise College	Bottled Water vs Mains Water	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Laois	Heywood Community School	Striding for speed; An investigation into the most influential factor regarding speed	Chemical, Physical & Mathematical Sciences	Group - 3 Students

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Laois	St. Mary's C.B.S.	Smoking is killin...Vaping is???	Social and Behavioural Sciences	Group - 3 Students
Laois	Heywood Community School	A Quantification of the Effect of Praise And Criticism on the Standard of Academic Performance	Social and Behavioural Sciences	Group - 2 Students
Leitrim	St. Clare's Comprehensive School	Obesity	Biological and Ecological	Group - 2 Students
Leitrim	St. Clare's Comprehensive School	A habitat study of Juncacea in North Leitrim	Biological and Ecological	Group - 2 Students
Leitrim	St. Clare's Comprehensive School	A Study Of How Student's attendance at school affect their overall grades	Social and Behavioural Sciences	Individual
Limerick	Gaelcholáiste Luímnigh	The energy efficiency of the kettle/ imscrúdú ar éifeachtacht an chitil.	Chemical, Physical & Mathematical Sciences	Individual
Limerick	Coláiste Chiaráin	How Old Is The Universe?	Chemical, Physical & Mathematical Sciences	Individual
Limerick	Desmond College - Limerick	The Physics of a Skateboard	Chemical, Physical & Mathematical Sciences	Individual
Limerick	Salesian Secondary College, Pallaskenry	GIDI for books	Chemical, Physical & Mathematical Sciences	Group - 2 Students

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Limerick	Hazelwood College	An Exploratory Investigation into the Acoustical Conditions Experienced by both Primary and Second Level students in County Limerick	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Limerick	Desmond College - Limerick	Honey Bees: Natural Born Mathematicians	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Limerick	Laurel Hill Secondary School FCJ	An Investigation Into How The Impact Force Of Rain Onto A Surface Can Be Converted Into Energy.	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Limerick	Desmond College - Limerick	The Fire "Tech" Stinguisher.	Technology	Individual
Limerick	Castletroy College	Intelligent Traffic Light Sensor	Technology	Individual
Limerick	Coláiste Iósaef	pocketKnow - Your ultimate tool for Revision	Technology	Individual
Limerick	Ardcoil Ris	A referee wrist band that will connect all referees and will cause better and quicker decisions to be made	Technology	Individual
Limerick	Desmond College - Limerick	Autistic communication system	Technology	Individual
Limerick	Ardcoil Ris	3D Printing for the Future: Producing Homemade Hearts and other low cost artificial limbs	Technology	Individual

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Limerick	Hazelwood College	An investigation into the use of various manures from different animals to determine which has the greatest energy supply to farms	Technology	Group - 3 Students
Limerick	Salesian Secondary College, Pallaskenry	heartbeat	Technology	Group - 3 Students
Limerick	Salesian Secondary College, Pallaskenry	Dairy Calf Incubator	Technology	Group - 3 Students
Limerick	Ardscuil Ris	Investock: Developing a simulated Trading Platform, Stock Market Index & Educational Resource to enhance 2nd level students' financial literacy in an appealing & interactive manner	Technology	Group - 3 Students
Limerick	Salesian Secondary College, Pallaskenry	Slurry vent extractor.	Technology	Group - 2 Students
Limerick	Salesian Secondary College, Pallaskenry	Wizloo	Technology	Group - 3 Students
Limerick	Salesian Secondary College, Pallaskenry	Cow Cluster Cleaner!	Technology	Group - 3 Students

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Limerick	Desmond College - Limerick	Ergonomic Planter	Technology	Group - 2 Students
Limerick	Glenstal Abbey School	The Effects of Micro Gravity on Microorganisms	Biological and Ecological	Individual
Limerick	Ardscuil Ris	'To Bee or not to Bee': Investigating solutions to falling bee populations using a multifaceted problem solving approach.	Biological and Ecological	Individual
Limerick	John The Baptist Community School	The effects of natural yogurt on a foal when included in it's diet.	Biological and Ecological	Individual
Limerick	Hazelwood College	An investigation into the production of Selenium-enriched dairy products with commercial potential.	Biological and Ecological	Group - 3 Students
Limerick	Salesian Secondary College, Pallaskenry	An investigation into the influence of smell on taste.	Biological and Ecological	Group - 3 Students
Limerick	Coláiste Iósaef	How ALARMing is your blood pressure?	Biological and Ecological	Group - 3 Students
Limerick	Desmond College - Limerick	Natural control of the Varroa mite in an effort to reduce CDD	Biological and Ecological	Group - 3 Students
Limerick	John The Baptist Community School	Shake it off! - An investigation into how dancing to music alleviates the effects of parkinsons	Biological and Ecological	Group - 3 Students
Limerick	Colaiste Ide and Iosef	To investigate the effect of protein milk on muscular strength	Biological and Ecological	Group - 2 Students

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Limerick	Colaiste Ide and Iosef	Who Is The Fittest Of Them All?	Biological and Ecological	Group - 3 Students
Limerick	John The Baptist Community School	Investigative study into the effects of music genres and animal audio on the quality of dairy herds milk and the quantity produced	Biological and Ecological	Group - 3 Students
Limerick	Salesian Secondary College, Pallaskenry	Fox repellent	Biological and Ecological	Group - 2 Students
Limerick	Desmond College - Limerick	A rush to biomass	Biological and Ecological	Group - 2 Students
Limerick	Coláiste Chiaráin	An investigation into the effect of desalinated water on the growth of plants.	Biological and Ecological	Group - 2 Students
Limerick	Salesian Secondary College, Pallaskenry	How reseeded ground with clover effects milk production	Biological and Ecological	Group - 2 Students
Limerick	Desmond College - Limerick	An Exploratory study into the meaning and development of 'play' in Ireland over the last 5 Decades	Social and Behavioural Sciences	Individual
Limerick	Hazelwood College	MIGRAINE - IT'S NOT JUST A HEADACHE!!	Social and Behavioural Sciences	Group - 2 Students
Limerick	Desmond College - Limerick	The Dilemma of When to Start School, aged four or aged 5, decisions decisions!!!!	Social and Behavioural Sciences	Group - 3 Students



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Limerick	Coláiste Iósaef	The Effect The Islamic State Of Iraq And Syria's Actions Have Had On The Reputation Of The Muslim Community	Social and Behavioural Sciences	Group - 2 Students
Limerick	Salesian Secondary College, Pallaskenry	Do Robots make Better Bosses?	Social and Behavioural Sciences	Group - 3 Students
Limerick	Coláiste Iósaef	Do You Know What You're Eating?	Social and Behavioural Sciences	Group - 2 Students
Limerick	John The Baptist Community School	Riddle me this'- Are Riddles or Nursery Rhymes beneficial to future education.	Social and Behavioural Sciences	Group - 3 Students
Limerick	Scoil Mhuire agus Ide	Beeware	Social and Behavioural Sciences	Group - 3 Students
Limerick	Laurel Hill Secondary School FCJ	N Plates: A Necessity or a Nuisance?	Social and Behavioural Sciences	Group - 3 Students
Limerick	John The Baptist Community School	A quantitative comparative analysis of the ethical views in science held by the Irish public on the basis of area, gender and age group.	Social and Behavioural Sciences	Group - 3 Students
Limerick	John The Baptist Community School	Mass medias influence on the general public's interest and awareness of Ladies GAA	Social and Behavioural Sciences	Group - 2 Students
Limerick	Colaiste Ide and Iosef	Am I Liked? Examining the science behind likes on social media.	Social and Behavioural Sciences	Group - 3 Students

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Limerick	Hazelwood College	Accents - The Unspoken About Prejudice	Social and Behavioural Sciences	Group - 2 Students
Limerick	Desmond College - Limerick	An Investigation into the dangers associated with 'Social Media Parenting'	Social and Behavioural Sciences	Group - 2 Students
Limerick	Ardscoil Ris	Science vs Religion: A study to determine whether people involved in science have different religious outlooks to those who are not involved in science.	Social and Behavioural Sciences	Group - 3 Students
Limerick	Ardscoil Ris	Statistical Analysis of Attitudes and Perceptions Regarding the Risk of Terrorism in Ireland	Social and Behavioural Sciences	Group - 3 Students
Limerick	Gaelcholáiste Luímnigh	Tuiscint faoi Úsáid Fuinneamh i nDaoine Óga	Social and Behavioural Sciences	Group - 2 Students
Limerick	Coláiste Iósaef	The Science of Following your Dreams	Social and Behavioural Sciences	Group - 2 Students
Limerick	Gaelcholáiste Luímnigh	Neamhionannas na ndéagoirí idir oideachas agus gníomhaíocht ar an úsáid de FCG(SPF) chun damáiste craiceanna a chosc	Social and Behavioural Sciences	Group - 2 Students
Londonderry	St Mary's College	SCOBY SCOBY Do	Chemical, Physical & Mathematical Sciences	Individual
Londonderry	St Mary's College	A comparative study of various types of biscuits and their 'dunking' abilities	Chemical, Physical & Mathematical Sciences	Individual

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The following projects have qualified for the BT Young Scientist & Technology Exhibition at the RDS, Dublin, 11-14 January 2017 (not all projects are listed)

Londonderry	St Mary's College	A comparative investigation of sugars in fizzy drinks versus sugars in sports drinks	Chemical, Physical & Mathematical Sciences	Individual
Londonderry	St Mary's College	A comparative investigation of the antibacterial abilities of different types of Honey	Chemical, Physical & Mathematical Sciences	Individual
Londonderry	Loreto College Coleraine	Bead Fountains	Chemical, Physical & Mathematical Sciences	Individual
Londonderry	St Mary's College	Investigating the pH of toothpastes	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Londonderry	Gaelcholáiste Dhoire	Éifeachtaí Leictreimiceacha agus Eile na gCadhnaí Cnaípe	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Londonderry	Loreto College Coleraine	Phone Book Physics	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Londonderry	St Mary's College	Investigating Evaping	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Londonderry	St Mary's College	The Microbead Dilemma	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Londonderry	Loreto College Coleraine	Crumple Zone	Chemical, Physical & Mathematical Sciences	Group - 3 Students

## Qualified Projects 2017

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Longford	Lanesboro Community College	Understanding How the Weather Affects Fishing	Biological and Ecological	Individual
Longford	Lanesboro Community College	Driven by Gender? An investigation into subject choice in 1st year.	Social and Behavioural Sciences	Individual
Longford	Lanesboro Community College	"We remember 95% of what we teach":Peer tutoring in TY	Social and Behavioural Sciences	Individual
Longford	Ballymahon Vocational School	Defib Demo-The Heart Of the Matter	Social and Behavioural Sciences	Group - 3 Students
Longford	Lanesboro Community College	Medical Cannabis: Is there a middle ground?	Social and Behavioural Sciences	Group - 2 Students
Louth	Our Ladys College - Drogheda	A mathematical study of Frieze patterns and their use in the early Celtic Manuscripts, The book of Kells	Chemical, Physical & Mathematical Sciences	Individual
Louth	Colaiste Chu Chulainn	Hydrobags - A protection against flooding	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Louth	St Vincent's Secondary School	ARIA or Manual?- a statistical analysis into which method of grading retinal images for diabetic retinopathy is the most effective	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Louth	St Vincent's Secondary School	"Park and Stride" is there a correlation between exposure to atmospheric pollution at peak traffic times outside of the school.	Chemical, Physical & Mathematical Sciences	Group - 2 Students

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Louth	St Vincent's Secondary School	Do different sock materials affect the surface temperature of the foot during Racket sports?	Biological and Ecological	Individual
Louth	St Oliver's Community College	Cricket – a Home-Grown Source of Protein. Can we produce our own protein requirements by breeding crickets at home?	Biological and Ecological	Individual
Louth	Our Ladys College - Drogheda	The Antimicrobial Potential of Tree Bark Extracts	Biological and Ecological	Individual
Louth	St Mary's Diocesan School	40 Licks ( trying to determine if being weaned onto certain foods as a baby can effect your development into a super-taster)	Biological and Ecological	Group - 2 Students
Louth	St Vincent's Secondary School	Dynamic VS Static stretching - Effects on Flexibility	Biological and Ecological	Group - 3 Students
Louth	Bush Post Primary School	Ultra Clean Caps	Biological and Ecological	Group - 3 Students
Louth	St Vincent's Secondary School	How does music affect sleep?	Biological and Ecological	Group - 3 Students
Louth	Bush Post Primary School	Effects of health tracking and wearable technology on people's rate of exercise	Biological and Ecological	Group - 3 Students
Louth	Drogheda Grammar School	To Investigate the Effect of Bisphenol A on Multiple Plants	Biological and Ecological	Group - 2 Students
Louth	Dundalk Grammar School	An investigation on racism in Irish and Northern Irish schools and the potential effects due to Brexit	Social and Behavioural Sciences	Group - 2 Students

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Louth	Bush Post Primary School	Are Ireland's Children Stuck in the Mud?	Social and Behavioural Sciences	Group - 3 Students
Louth	Bush Post Primary School	From Sugar Rush To Cigarette Crush	Social and Behavioural Sciences	Group - 2 Students
Louth	Bush Post Primary School	The Impact of Same-Sex Marriage on the economy on both sides of the border in Ireland.	Social and Behavioural Sciences	Group - 2 Students
Mayo	St Muredachs College	EnableArm: The Facial Care Device for People with Limited Hand Dexterity	Technology	Individual
Mayo	Jesus & Mary Secondary School	variable road speed sign	Technology	Group - 3 Students
Mayo	Jesus & Mary Secondary School	Make a Mark-Sheep Marking Gun	Technology	Group - 2 Students
Mayo	St Joseph's Secondary School	Domestic God and Goddess: An assessment of teenagers ability to care for themselves and the factors that influence this.	Social and Behavioural Sciences	Individual
Mayo	St Muredachs College	Is concussion in early life a contributing factor to Parkinson disease later in life	Social and Behavioural Sciences	Group - 2 Students
Mayo	St Muredachs College	Is There A Connection Between a Child's Handwriting and Their Parents'?	Social and Behavioural Sciences	Group - 3 Students
Mayo	Our Lady's Secondary School	Attitudes Towards iPads in Education	Social and Behavioural Sciences	Group - 3 Students

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Mayo	Jesus & Mary Secondary School	To Transplant Or Not To Transplant?	Social and Behavioural Sciences	Group - 3 Students
Meath	St Patrick's Classical School	Using the SOHO Spacecraft to Discover Comets	Chemical, Physical & Mathematical Sciences	Individual
Meath	Loreto Secondary School - Navan	Investigating an Improved Method to Help Visually Impaired People Identify Euro Notes	Technology	Individual
Meath	St Peter's College - Dunboyne	Notate it	Technology	Group - 3 Students
Meath	Loreto Secondary School - Navan	Stopping the shake	Technology	Group - 2 Students
Meath	Community College	Is it possible to make a bin that separates its own waste?	Technology	Group - 3 Students
Meath	Loreto Secondary School - Navan	Equine Learning Theory and Biomachanics	Biological and Ecological	Individual
Meath	Eureka Secondary School	To Investigate the effect of music on athletic ability	Biological and Ecological	Group - 3 Students
Meath	Loreto Secondary School - Navan	The Effect of Temperature on the effectiveness of Probiotic Drinks	Biological and Ecological	Group - 2 Students
Meath	St. Joseph's Secondary School	Stimulating plant growth using electricity	Biological and Ecological	Group - 2 Students

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Meath	Franciscan College	Do teachers' attitudes, behavioral practices and expressions effect student performance and application in class, community and the home?	Social and Behavioural Sciences	Individual
Meath	Eureka Secondary School	Do You See What I See: A Investigation into Optical Illusions and How They Can Be Applied in Everyday Life	Social and Behavioural Sciences	Group - 3 Students
Meath	Community College	The Influence of Peer-Teaching in Schools on Waste Reduction compared to being taught by Teachers.	Social and Behavioural Sciences	Group - 3 Students
Monaghan	Beech Hill College	inexpensive mobile device to help the elderly	Technology	Group - 2 Students
Monaghan	Patrician High School - Carrickmacross	The Nutrition Behind Muscle Building: A Practical Workbook For Teens.	Biological and Ecological	Group - 3 Students
Monaghan	Patrician High School - Carrickmacross	Analysis of responses to different types of anti-smoking campaign messages among 10 to 17 year olds	Social and Behavioural Sciences	Individual
Monaghan	Our Lady's Secondary School - Monaghan	To Pump or not to Pump: a comparative study of the methods of control of diabetes in teenagers	Social and Behavioural Sciences	Group - 3 Students
Monaghan	Patrician High School - Carrickmacross	To Investigate the effects of Human imprintation on animals	Social and Behavioural Sciences	Group - 3 Students
Offaly	Tullamore College	The Answer Is Blowing In The Wind	Chemical, Physical & Mathematical Sciences	Individual



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Offaly	Sacred Heart Secondary School	The Effects of Chewing Gum on Shoulder Internal Rotation	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Offaly	Tullamore College	The Chemistry Of Chlorophyll	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Offaly	Colaiste Choilm	Investigating the use of natural plants oils and extracts as an antiproliferative cancer agents.	Biological and Ecological	Individual
Offaly	Tullamore College	What range of frequencies affect microscopic water creatures on the grand canal	Biological and Ecological	Individual
Offaly	Tullamore College	Investigating The Difference In Bacterial Contamination When Handling and Using a Device to Insert Contact Lenses	Biological and Ecological	Group - 2 Students
Roscommon	C.B.S. Roscommon	Slurry runoff and its effect on surface tension	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Roscommon	Scoil Mhuire gan Smál - Roscommon	"The Condensation Tree"- An investigation into the quantity, quality and production of water for third world countries.	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Roscommon	C.B.S. Roscommon	Natural ways of removing micro-organisms in water	Chemical, Physical & Mathematical Sciences	Group - 2 Students

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Roscommon	Scoil Mhuire gan Smál - Roscommon	portable blood pressure monitor with alert feature	Technology	Group - 3 Students
Roscommon	Scoil Mhuire Strokestown	An investigation into the quality of effluent discharging domestic waste water treatment systems (septic tanks) and an apparatus to improve this.	Biological and Ecological	Individual
Roscommon	Scoil Mhuire Strokestown	An detailed analysis into the role of clover in reducing artificial Nitrogen consumption and increase grass palatability and growth rate.	Biological and Ecological	Individual
Roscommon	Scoil Mhuire Strokestown	The Amount of Carbon in Different Types of Hedgerows and how it Effects Wildlife	Biological and Ecological	Group - 2 Students
Roscommon	C.B.S. Roscommon	The effects of recent floods on Farms in South Roscommon	Biological and Ecological	Group - 2 Students
Roscommon	C.B.S. Roscommon	An investigation into the effects of the pine martens on the ecology and balance of nature of Roscommon Woodlands	Biological and Ecological	Group - 3 Students
Roscommon	Roscommon Community College	A comparative study of fungal diversity in areas of varying light intensity	Biological and Ecological	Group - 3 Students
Roscommon	Scoil Mhuire Strokestown	Olfactory Fatigue: Is it affected by gender?	Biological and Ecological	Group - 2 Students
Roscommon	C.B.S. Roscommon	White Chafer Grub: A Golfers Pest	Biological and Ecological	Group - 2 Students

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Roscommon	Scoil Mhuire gan Smál - Roscommon	Road-signs: Helpful Information or Distracting Noise?	Social and Behavioural Sciences	Individual
Roscommon	Roscommon Community College	The Effect on a Student's Academic Self-Concept and Self-Esteem When Moving From Primary to Post-Primary School	Social and Behavioural Sciences	Group - 3 Students
Roscommon	C.B.S. Roscommon	A statistical analysis into the impact of the new CAO point system on the update of higher level subjects and class sizes.	Social and Behavioural Sciences	Group - 3 Students
Roscommon	Roscommon Community College	An analysis of young adults gambling in rural areas in comparison to urban areas	Social and Behavioural Sciences	Group - 3 Students
Roscommon	C.B.S. Roscommon	Dating - Through The Years	Social and Behavioural Sciences	Group - 2 Students
Roscommon	Scoil Mhuire gan Smál - Roscommon	The Multiverse - what world would you live in?	Social and Behavioural Sciences	Group - 2 Students
Roscommon	Scoil Mhuire Strokestown	I Share Therefore I am	Social and Behavioural Sciences	Group - 2 Students
Roscommon	Roscommon Community College	Insight from a new Generation- Fertility Issues	Social and Behavioural Sciences	Group - 3 Students
Sligo	Jesus & Mary Secondary School	Fairly Biased? - Is the stroke index system in golf benefiting a particular handicap?	Chemical, Physical & Mathematical Sciences	Individual

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Sligo	Sligo Grammar School	To produce a filter incorporated with Graphene and to use this filter to purify contaminated water	Chemical, Physical & Mathematical Sciences	Individual
Sligo	Jesus & Mary Secondary School	Flint on the Moy? A Geological Study of an Area of Shoreline on the Moy Estuary	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Sligo	Ursuline College	Mirages and the refraction of light in our world	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Sligo	Jesus & Mary Secondary School	The importance of early intervention in 22q11 deletion syndrome	Biological and Ecological	Individual
Sligo	St Attracta's Community School	To investigate does intensive agriculture effect the population of earthworms in heavy soils	Biological and Ecological	Group - 3 Students
Sligo	Jesus & Mary Secondary School	Name-Brand Vs. Generic Medicines: The Costly Question that Nobody is Asking	Social and Behavioural Sciences	Individual
Sligo	Ursuline College	7 is Scarlet	Social and Behavioural Sciences	Group - 3 Students
Sligo	Ursuline College	Nuclear - uNclear?	Social and Behavioural Sciences	Group - 2 Students
Tipperary	St Joseph's College	Solar Sleeve	Chemical, Physical & Mathematical Sciences	Individual

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Tipperary	Coláiste Mhuire Co-Ed	An Investigation into the Effect of Adding Cow Manure to Concrete Composite	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Tipperary	Ursuline Secondary School - Thurles	To investigate the effect on the milk for processing of the possible overuse of peracetic acid when sterilizing milking machines and bulk tanks.	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Tipperary	Borrisokane Community College	Development of an algorithm for increasing the efficiency of computer component selection	Technology	Individual
Tipperary	St Joseph's College	Using Deep Neural Networks to find offensive text and use this to help combat online harassment	Technology	Individual
Tipperary	Presentation Secondary School	Diabetica	Technology	Group - 2 Students
Tipperary	Presentation Secondary School - Thurles	Epi-Print	Technology	Group - 3 Students
Tipperary	St Joseph's College	When In Doubt, Swing It Out!	Technology	Group - 3 Students
Tipperary	Ursuline Secondary School - Thurles	Fastest Fingers First- Do texters pay the price?	Technology	Group - 2 Students
Tipperary	St Joseph's College	Unlicensed to Kill	Technology	Group - 2 Students
Tipperary	Colaiste Phobáil Rós Cré	Using an electric toothbrush to charge a mobile phone	Technology	Group - 2 Students

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Tipperary	Cistercian College	What fitness types are best for our horses?	Biological and Ecological	Individual
Tipperary	Colaiste Phobáil Rós Cré	Can I determine which water type yields the greatest tap root of carrots	Biological and Ecological	Individual
Tipperary	St Joseph's College	The investigation into prevention of Lungworm in dogs in Ireland	Biological and Ecological	Group - 3 Students
Tipperary	Presentation Secondary School - Thurles	Less Flooding, Less Drought- Lets get Back to Grass Roots	Biological and Ecological	Group - 2 Students
Tipperary	Presentation Secondary School - Thurles	Does overwintering carrots in the ground affect Falcarinol levels?	Biological and Ecological	Group - 3 Students
Tipperary	Cistercian College	How does physical fatigue affect the mind and its functions	Biological and Ecological	Group - 3 Students
Tipperary	Scoil Mhuire	Gender Inequality in GAA	Social and Behavioural Sciences	Individual
Tipperary	C.B.S.	Raising awareness of the attitudes and delayed effects of concussion in Rugby	Social and Behavioural Sciences	Individual
Tipperary	The Abbey School	Effects of non-selection for physical activities on adolescents' mental health.	Social and Behavioural Sciences	Group - 2 Students
Tipperary	St Joseph's College	Early to bed and Early to rise	Social and Behavioural Sciences	Group - 3 Students

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Tipperary	Comeragh College	To investigate the short term effects of concussions and other head injuries caused by sports on academic performance	Social and Behavioural Sciences	Group - 2 Students
Tipperary	C.B.S. Thurles	To investigate the influence social media has on exam results	Social and Behavioural Sciences	Group - 3 Students
Tipperary	Ardscoil na mBráithre	How Do Loneliness and Depression Contribute to Substance Misuse in Today's Teenagers	Social and Behavioural Sciences	Group - 2 Students
Tipperary	St Mary's Secondary School - Nenagh	Irish Attitude to Electric Cars	Social and Behavioural Sciences	Group - 2 Students
Waterford	Newtown School - Waterford	To Investigate the Efficiency of the Magnus Effect in Different Modes of Transport	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Waterford	GaelCholáiste Phort Láirge	how will climate change affect the position of the shoreline in wave dominated beaches, as shown in Bunmahon beach county waterford	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Waterford	De La Salle College	STOMA CARE - THE SEARCH FOR NEW SOLUTIONS TO OLD PROBLEMS!	Technology	Individual
Waterford	De La Salle College	SAR	Technology	Individual
Waterford	Our Lady Of Mercy Secondary School	Prevention of Further Concussions and Head Trauma in Rugby due to early detection.	Technology	Group - 2 Students

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Waterford	Our Lady Of Mercy Secondary School	Salt Content of Bottled Water and Sports Drinks and Their Effects on Health.	Biological and Ecological	Group - 3 Students
Waterford	Newtown School - Waterford	To investigate the impact different vegetative cover has on the attenuation of water in soils.	Biological and Ecological	Group - 2 Students
Waterford	Newtown School - Waterford	Project EasySurf	Social and Behavioural Sciences	Group - 3 Students
Waterford	Ard Scoil Na Mara	A comparison of the attitudes of Irish, French and Spanish students towards the teaching of foreign languages.	Social and Behavioural Sciences	Group - 2 Students
Waterford	Blackwater Community School	Close The Gap	Social and Behavioural Sciences	Group - 3 Students
Waterford	GaelCholáiste Phort Láirge	Recession Suicide and # little things in Waterford	Social and Behavioural Sciences	Group - 3 Students
Waterford	De La Salle College	Nomophobia and Phone Addiction - Is it a growing concern among young people?	Social and Behavioural Sciences	Group - 3 Students
Waterford	Our Lady Of Mercy Secondary School	To statistically analyse multilingual students learning new languages in secondary level education compared to monolingual students	Social and Behavioural Sciences	Group - 3 Students
Westmeath	Moate Community School	Can Plants Lead the Way to Unleaded Soil?	Chemical, Physical & Mathematical Sciences	Group - 2 Students



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Westmeath	Athlone Community College	Pedal Power	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Westmeath	St Aloysius College	Making caring for people easier using technology	Technology	Individual
Westmeath	Our Lady's Bower	Aquaflow Bin	Technology	Individual
Westmeath	Colaiste Mhuire - Mullingar	Alert-a-Buoy	Technology	Group - 3 Students
Westmeath	Athlone Community College	To determine the technical feasibility of using machine learning technology to predict when a mobile phone or charger may explode.	Technology	Group - 2 Students
Westmeath	Our Lady's Bower	Bio Glam!	Technology	Group - 2 Students
Westmeath	Colaiste Mhuire - Mullingar	Dogs Be Gone	Technology	Group - 2 Students
Westmeath	Marist College - Athlone	Get off my Tail	Technology	Group - 3 Students
Westmeath	Moate Community School	What will be the end for the Varroa destructor mite?	Biological and Ecological	Individual
Westmeath	Moate Community School	The wonders of Red Palm Oil	Biological and Ecological	Individual
Westmeath	Our Lady's Bower	Diet Induced Thermogenesis! Preventing Obesity, Diabetes & Heart Diseases Using Anthocyanins, Catechins & Capsaicins	Biological and Ecological	Individual
Westmeath	Moate Community School	Growing plants for nutrition in Space	Biological and Ecological	Group - 2 Students

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Westmeath	Our Lady's Bower	Green pools-are they the future?	Biological and Ecological	Group - 2 Students
Westmeath	Our Lady's Bower	The health consequences of sterilising babies bottles	Biological and Ecological	Group - 3 Students
Westmeath	Meán Scoil an Chlochair	Do our daily activities influence the subject of our dreams	Social and Behavioural Sciences	Group - 2 Students
Westmeath	Meán Scoil an Chlochair	Does participation in Transition Year enhance Psychological Wellbeing for participating students?	Social and Behavioural Sciences	Group - 3 Students
Westmeath	Athlone Community College	MCPA Pesticide in Drinking Water	Social and Behavioural Sciences	Group - 3 Students
Westmeath	Our Lady's Bower	Getting Out and About - The Free Travel Scheme and Older People	Social and Behavioural Sciences	Group - 2 Students
Wexford	Meanscoil Gharman	Funky Focail App	Technology	Group - 2 Students
Wexford	F.C.J.Secondary School	Measuring Radon awarness in a High Risk Area	Social and Behavioural Sciences	Group - 3 Students
Wexford	F.C.J.Secondary School	The DoneDeal Experience	Social and Behavioural Sciences	Group - 2 Students
Wexford	Loreto Secondary School - Wexford	An Investigation into the Public's Attitudes and Perceptions Towards Antibiotic Use and Antimicrobial Resistance	Social and Behavioural Sciences	Group - 3 Students
Wicklow	St Gerard's	To investigate the torque output of a 2-stoke internal combustion engine when adjusting the compression ratio	Chemical, Physical & Mathematical Sciences	Individual

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Wicklow	Dominican College - Wicklow	Can coffee be used to remove lead and other heavy metals from drinking water?	Chemical, Physical & Mathematical Sciences	Individual
Wicklow	Avondale Community College	The Age of Make-up: The Chemical Composition of Make-up	Chemical, Physical & Mathematical Sciences	Group - 2 Students
Wicklow	Avondale Community College	Can milk be turned into plastic ?	Chemical, Physical & Mathematical Sciences	Group - 3 Students
Wicklow	Avondale Community College	Non-Slip Ladders!	Technology	Individual
Wicklow	East Glendalough School	Mount Usher Navigator - The Application of new technology to engage young people in natural tourism	Technology	Individual
Wicklow	St David's Secondary	spright.io	Technology	Individual
Wicklow	Colaiste Chraobh Abhann	Innovations in feeding technology for livestock	Technology	Group - 3 Students
Wicklow	St Marys College	The impact of different diets on the methane emissions from cow faeces	Biological and Ecological	Individual
Wicklow	Colaiste Chraobh Abhann	The Potential Use of Gorse as a Biofuel	Biological and Ecological	Group - 2 Students
Wicklow	St Marys College	We are the only mammals to drink another mammals milk...so should we be moo-ving away from cow's milk?	Biological and Ecological	Group - 3 Students

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Wicklow	Dominican College - Wicklow	The antimicrobial properties of traditional Maasai medicine	Biological and Ecological	Group - 2 Students
Wicklow	Avondale Community College	Biodegradable plastic pots to minimise the effects of transplant shock.	Biological and Ecological	Group - 3 Students
Wicklow	St Marys College	The reaction's of people to mothers breastfeeding in public	Social and Behavioural Sciences	Individual
Wicklow	St Marys College	Can YOU be Fooled by The Power of Persuasion?	Social and Behavioural Sciences	Group - 2 Students
Wicklow	Dominican College - Wicklow	Rainwater harvesting as a domestic water supply - an investigation into attitudes and awareness of people in Co Wicklow	Social and Behavioural Sciences	Group - 2 Students