



Qualified Projects 2019

The following projects have qualified for the BT Young Scientist & Technology Exhibition at the RDS, Dublin, 9 - 12 January 2019. Not all projects are listed.

| School County | School Name | Title | Category | Project Type |
|---------------|--|---|---------------------------------|--------------------|
| Antrim | St Dominic's High School | Could Nutraceuticals Stop Cancer? | Biological and Ecological | Group - 3 Students |
| Antrim | St Killian's College | QUAD for Quads | Technology | Group - 2 Students |
| Antrim | South Eastern Regional College - Lisburn | The effect of natural food extracts on insulin secretion from pancreatic cells | Biological and Ecological | Group - 3 Students |
| Antrim | St Louis Grammar School | How random can it get? | Technology | Individual |
| Armagh | St Catherine's College | Drink Right, Think Right - An App to Prevent Drink Driving | Technology | Group - 3 Students |
| Carlow | St Mary's Knockbeg College | Is being physically active a clever idea? A statistical analysis of the correlation between academic success and physical activity. | Social and Behavioural Sciences | Group - 2 Students |
| Carlow | Presentation College | Aerosol Collection for GLOBE | Biological and Ecological | Individual |
| Cavan | Colaiste Dun an Ri | To investigate if exotic animals are being kept in cruelty free environments | Social and Behavioural Sciences | Group - 2 Students |
| Cavan | Loreto College | Why is isotretinoin (Roaccutane) so dangerous? | Social and Behavioural Sciences | Group - 2 Students |
| Cavan | Colaiste Dun an Ri | Chicken Feather Insulation | Biological and Ecological | Group - 3 Students |



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| Cavan | Colaiste Dun an Ri | Homelessness - A crisis that can be solved | Social and Behavioural Sciences | Group - 3 Students |
| Cavan | Colaiste Dun an Ri | Smart Parents? Smartphones. | Social and Behavioural Sciences | Individual |
| Cavan | Loreto College | Get up, get out and get off your phone! - A tool for schools | Social and Behavioural Sciences | Group - 2 Students |
| Cavan | St Bricin's Vocational School | A study of body image and emotional wellbeing perceptions among elite sports women, professional models and teenage girls. | Social and Behavioural Sciences | Group - 3 Students |
| Cavan | Colaiste Dun an Ri | A statistical analysis of the public's awareness of the danger of positional asphyxiation associated with infant car seats. | Social and Behavioural Sciences | Individual |
| Cavan | Colaiste Dun an Ri | An Ecological Investigation into Dún an Rí Forest Park, Kingscourt, Co. Cavan | Biological and Ecological | Group - 3 Students |
| Cavan | Colaiste Dun an Ri | An Investigation into the number of Regular Shapes vs. Number of Irregular shapes with 12 sides or less that can be constructed by the use of Euclidean Geometry | Chemical, Physical & Mathematical Sciences | Individual |



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| Clare | St. Joseph's Secondary School | Investigation into appearance of Fibonacci sequence in water vortexes | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Clare | Mary Immaculate Secondary School Lisdoonvarna | Evaluation of the use of software as a tool to count populations of different shellfish on seashores | Biological and Ecological | Individual |
| Clare | Mary Immaculate Secondary School Lisdoonvarna | Snail communities in three habitat types in the Burren | Biological and Ecological | Group - 2 Students |
| Clare | Mary Immaculate Secondary School Lisdoonvarna | An examination of ash die back in the ash trees in an area of the Burren. | Biological and Ecological | Individual |
| Clare | Mary Immaculate Secondary School Lisdoonvarna | A tale of two soils - a comparative study of upland and lowland soils in the Burren | Biological and Ecological | Individual |
| Clare | Mary Immaculate Secondary School Lisdoonvarna | LifeSaver - A New Automatic Lifejacket Inflation System | Technology | Individual |



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| Clare | Scoil Mhuire | Is the Leaving Certificate Fair? | Social and Behavioural Sciences | Group - 2 Students |
| Clare | St Flannan's College | Methodology for Direct Conversion of Electrical Energy into Controlled Linear Motion | Technology | Individual |
| Clare | St John Bosco Community College | What is the effect of music on systolic and diastolic blood pressure during and after listening? | Biological and Ecological | Individual |
| Clare | Coláiste Mhuire Ennis | Kefir & Kombucha: The Alcohol Content, Microbial Content and Health Benefits of Fermented Drinks | Biological and Ecological | Individual |
| Clare | St. Joseph's Secondary School | Can We Make Grass Green? | Technology | Group - 3 Students |
| Clare | St Flannan's College | Testing the efficiency of programming languages using neural networks. | Technology | Individual |
| Clare | St Anne's Community College | Farmer Finder | Social and Behavioural Sciences | Group - 3 Students |
| Clare | St. Joseph's Secondary School | "The Will of the People?" (How electoral systems impact democracy) | Chemical, Physical & Mathematical Sciences | Group - 3 Students |



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| Cork | Gaelcholáiste Charraig Uí Leighin | An Éifeacht a Bhíonn ag d'Aiste Bia ar Fás agus Láidearacht d'Ingne. | Biological and Ecological | Group - 3 Students |
| Cork | St. Angela's College | Building and Testing a Solar Powered Device to Aid Education in Refugee Camps and the Developing World. | Technology | Individual |
| Cork | Clonakilty Community College | SAIO - Budget Smart Home Assistant | Technology | Group - 2 Students |
| Cork | Colaiste Treasa | Reducing Toxic Heavy Metals in the Global Food Chain | Biological and Ecological | Group - 2 Students |
| Cork | Colaiste Treasa | The Shape of You - The Push and Pull on Body Image Accuracy in Irish Adolescents | Social and Behavioural Sciences | Group - 2 Students |
| Cork | St Mary's Secondary School | Stay Cool, Stay Sober: A statistical analysis of the consequences of underage drinking | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Patrician Academy | To investigate the reduction of plastic waste in a secondary school by the introduction of a reusable water bottle | Biological and Ecological | Group - 3 Students |
| Cork | Coláiste Choilm | Structural Patterns In Solutions To The Erdős-Straus Conjecture For Certain Primes | Chemical, Physical & Mathematical Sciences | Individual |



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| Cork | Clonakilty Community College | An Investigation into the use of Antibiotics on Livestock by Irish Farmers | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Clonakilty Community College | Home to Roost, A study to assess the high tide roosting routines of waterbirds and future Conservation Applications. | Biological and Ecological | Group - 3 Students |
| Cork | Colaiste Treasa | What Do You Think Of Me? A statistical analysis of adolescents & elderly people's perceptions of aging | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Kinsale Community School | A Statistical Study into the financial sustainability of the agricultural sector in Ireland | Social and Behavioural Sciences | Group - 3 Students |
| Cork | St Aloysius School | The Mathematics of Origami | Chemical, Physical & Mathematical Sciences | Individual |
| Cork | Mount Mercy College | Improving Cervical Cancer Screening with Artificial Intelligence | Chemical, Physical & Mathematical Sciences | Individual |
| Cork | Coláiste Muire Crosshaven | Talk to the hand! | Social and Behavioural Sciences | Individual |
| Cork | Coláiste Muire Crosshaven | From fish to fork - ingestion of microplastics by commercial fish off the Irish South Coast | Biological and Ecological | Group - 2 Students |



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| Cork | Presentation Secondary School Mitchelstown | Squeeze the Stress Away - Do Stress Balls Actually Work? | Biological and Ecological | Group - 3 Students |
| Cork | Presentation Secondary School Mitchelstown | Sugar tax ~ Did it make a difference?! | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Kinsale Community School | A study using statistical methods on the publics' awareness of Silent Coeliac Disease and the effects of the disease. | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Colaiste Treasa | Diabetes: Don't sugar coat it - Improving the general populations' understanding of Type 2 Diabetes to support prevention | Social and Behavioural Sciences | Individual |
| Cork | Mount Mercy College | Difference in the dietary habits of teenagers with and without sugar cravings | Biological and Ecological | Individual |
| Cork | Coláiste Muire Crosshaven | Sexual Orientation and Drug and Alcohol Abuse | Social and Behavioural Sciences | Individual |
| Cork | St. Brogan's College | Quad Safety: Introducing the Quad Emergency Alert Device (QEAD) | Technology | Group - 2 Students |
| Cork | St Aloysius College Carrigtwohill | The Becquerel Roof: The Solar Roof of the Future | Technology | Individual |



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| Cork | St Mary's High School | Homeless Helper | Social and Behavioural Sciences | Group - 3 Students |
| Cork | St Mary's High School | Overtone Singing, Can Anyone Do It? | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Cork | St Mary's High School | Identity in our Society | Social and Behavioural Sciences | Group - 3 Students |
| Cork | St Mary's Secondary School | Do Farms in Ireland Contain Micro Plastics | Biological and Ecological | Individual |
| Cork | Coláiste Choilm | Text Neck: The Effects of Phone Usage on Neck Tension | Biological and Ecological | Group - 3 Students |
| Cork | Coláiste Choilm | SafeSlat: A device to pre-empt damage in slats on farms across the country | Technology | Group - 3 Students |
| Cork | Coláiste Choilm | Building a medical device using piezoelectric polymer to monitor teeth grinding and clenching | Technology | Individual |
| Cork | Coláiste Choilm | The effect of a full moon on the amount of precipitation | Biological and Ecological | Group - 2 Students |
| Cork | Coláiste Muire Crosshaven | Media Meddling with Memory? - An investigation into post-event information and how it alters your recollection. | Social and Behavioural Sciences | Individual |



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| Cork | Coláiste Choilm | An Investigation Into The Minimum Criteria Necessary For Light To Be Gravitationally Lensed Around A Body | Chemical, Physical & Mathematical Sciences | Individual |
| Cork | Coláiste Choilm | Technostress: An Investigation into the Physiological Anxiety Responses in Students when Separated from their Mobile Phones. | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Coláiste An Spioraid Naomh | An investigation into the benefits of non-formal education in Ireland | Social and Behavioural Sciences | Individual |
| Cork | Coláiste Choilm | Round Down Round Up | Biological and Ecological | Group - 2 Students |
| Cork | Colaiste Treasa | A statistical analysis of the impact of playing golf on the self esteem and well being of female adolescents. | Social and Behavioural Sciences | Group - 2 Students |
| Cork | Coláiste Choilm | Are Tractors Squeezing The Life Out Of Irish Soil? The Impact of Heavy Machinery On Soil and How It Affects Plant Growth | Biological and Ecological | Group - 2 Students |
| Cork | Coláiste Choilm | To create a filter for water troughs on farms to conserve water, gather compostable algae to use as fertilizer and reduce manual labour while removing silt and algae. | Biological and Ecological | Group - 3 Students |



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| Cork | Coláiste Choilm | The Secret Life of Plants - An Investigation into the Communicative Capabilities of Plants | Biological and Ecological | Group - 3 Students |
| Cork | Scoil Mhuire gan Smál Blarney | The Future of Quantum Computing: An Investigation into the Algorithms and Applications of Quantum Computing | Chemical, Physical & Mathematical Sciences | Individual |
| Cork | Patrician Academy | Dance And Cardiovascular Fitness: The Breakdown | Biological and Ecological | Group - 3 Students |
| Cork | Coláiste An Spioraid Naoimh | Can I Recycle It? | Technology | Group - 2 Students |
| Cork | Coláiste Choilm | What are the odds? Is online gambling playing a game of Russian Roulette with the wellbeing of young people today? | Social and Behavioural Sciences | Group - 3 Students |
| Cork | North Monastery Secondary School | A Wearable Device Which Assists Caretakers by Providing them with the Information on the Well-Being of Their Patients | Technology | Group - 2 Students |
| Cork | Coláiste Choilm | Investigation of bacterial spread through the use of hand-dryers | Biological and Ecological | Group - 3 Students |



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| Cork | Christ King Girls Secondary School | Visual communication solution to promote patient participation and wellness during Magnetic Resonance Imaging. | Technology | Individual |
| Cork | Coláiste Pobal Bheanntrai | A study on the accuracy of temperature and toxin levels in mussels in Bantry Bay based on the Marine Institute forecast. | Biological and Ecological | Group - 2 Students |
| Cork | Scoil Mhuire | An chuireann teicneolaíocht isteach ar cuimhne gearrthearma go diúltach ar daltaí scoile? | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Coláiste Pobal Bheanntrai | An in-depth exploration of Geopathic Stress, its harmful and beneficial effects for humans and the natural world. | Biological and Ecological | Group - 3 Students |
| Cork | Scoil Mhuire Kanturk | Alzheimer's in our Water: A Comparative Investigation of Copper Concentrations in Tap Water when carried through a Copper Piping System vs. a Polyethylene piping system. | Chemical, Physical & Mathematical Sciences | Individual |
| Cork | Coláiste An Spioraid Naoimh | Applications of Citizen Drawn Constituencies to the Irish Democratic System | Technology | Individual |



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| Cork | Coláiste An Spioraid Naomh | To investigate how heat produced by decomposing plant matter could aid the growth of new plant life | Biological and Ecological | Group - 3 Students |
| Cork | Coláiste An Spioraid Naomh | An Investigation into the Effect of Font Style and Colour on the Retention of Information while Reading | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Coláiste An Spioraid Naomh | An Investigation Into The Possible Damage Caused By Parental Input From The Sideline In Field Sports | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Millstreet Community School | A geology study of our local quarry including a graphic log. | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Cork | Scoil na mBráithre Chríostaí | Smart Sliotar-A ball tracking system | Technology | Group - 2 Students |
| Cork | Midleton College | LiteCane | Technology | Group - 3 Students |
| Cork | St Mary's Secondary School | An investigation into the translocation of Geomaculus Maculosus in the Macroom area | Biological and Ecological | Group - 3 Students |
| Cork | Sacred Heart Secondary School | Who cares about the carer? | Social and Behavioural Sciences | Group - 3 Students |



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| Cork | Millstreet Community School | Can alternative pastures outperform artificial fertilizers? | Biological and Ecological | Group - 3 Students |
| Cork | Kinsale Community School | A Statistical Study of the Attitude of Parents Towards Protective Clothing and Injury Prevention in Rugby | Social and Behavioural Sciences | Individual |
| Cork | Millstreet Community School | The effects of psoriasis on adolescent mental health in 2018. | Social and Behavioural Sciences | Group - 2 Students |
| Cork | North Monastery Secondary School | Ro-Bee: simulating the behaviour of bees using autonomous agents | Technology | Group - 3 Students |
| Cork | Millstreet Community School | A One-Stop Shop website for parents of School Leavers | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Millstreet Community School | An Evaluation of River Pollution Monitoring in the North Cork Area | Biological and Ecological | Group - 3 Students |
| Cork | Coláiste An Spioraid Naomh | An investigation into whether meditation affects ones academic success | Social and Behavioural Sciences | Group - 2 Students |
| Cork | Presentation Secondary School Mitchelstown | Student Voice in School: Are We Being Heard? | Social and Behavioural Sciences | Group - 3 Students |



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| Cork | Presentation Secondary School Mitchelstown | I Am Woman, Hear Me Roar (Maybe?) | Social and Behavioural Sciences | Group - 2 Students |
| Cork | Scoil Mhuire gan Smál Blarney | The Psychological affects of Alopecia Areata in Teenagers | Social and Behavioural Sciences | Group - 2 Students |
| Cork | Scoil Mhuire gan Smál Blarney | An investigation into the childhood obesity crisis in Ireland – An analysis of the causes and recommendations for prevention | Social and Behavioural Sciences | Individual |
| Cork | Bandon Grammar School | A Pint of the Black Stuff: Ultrasound assisted hydrothermal liquefaction of microalgae to produce renewable jet fuel | Chemical, Physical & Mathematical Sciences | Individual |
| Cork | Christian Brothers Secondary School | Just a tag away from fueling up !! | Technology | Group - 2 Students |
| Cork | Christ King Girls Secondary School | Allium Sativum: Can it combat the rise of the “Superbugs”? | Biological and Ecological | Group - 2 Students |
| Cork | Christ King Girls Secondary School | Study on the pollution in Tramore Valley Park and the impact on the plants there | Biological and Ecological | Individual |
| Cork | Schull Community College | Road Quality in Rural Ireland: Effects and Solutions. | Social and Behavioural Sciences | Group - 2 Students |



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| Cork | Schull Community College | At Your Best With Rest: An Investigation into Sleep Deprivation in Young Athletes. | Biological and Ecological | Group - 2 Students |
| Cork | Christian Brothers Secondary School | Post Offices - The Hidden Gem! | Social and Behavioural Sciences | Individual |
| Cork | Midleton College | An investigation into the properties of bacteriophage and if it can be used as an alternative or supplement to antibiotics to treat pathogenic bacterial infections. | Biological and Ecological | Group - 3 Students |
| Cork | Christian Brothers Secondary School | Micro-plastics Matter | Biological and Ecological | Group - 3 Students |
| Cork | Sacred Heart Secondary School | Aerobic Cardiovascular Endurance: A Comparative Study into the differences between an Omnivore, Vegan and Vegetarian diet and its effects on one's Cardiovascular Endurance. | Biological and Ecological | Group - 2 Students |
| Cork | Schull Community College | An Investigation into the Plastic Macro-debris on our Beaches | Biological and Ecological | Group - 2 Students |



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| Cork | St Aloysius College Carrigwohill | Developing an organic solar cell coating solution to mitigate fossil fuels usage by motor vehicles | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Cork | Ardscoil Uí Urmoltaigh | A Way to Reduce Fatalities and Injuries due to Ladder Related Incidents | Technology | Group - 3 Students |
| Cork | Presentation Secondary School Mitchelstown | Climbing OUT of the Cis Abyss | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Mount Mercy College | A Cost-Effective Way to Maximise Milk Solids in a Dairy Herd | Biological and Ecological | Group - 2 Students |
| Cork | Mount Mercy College | B12 young scientist | Social and Behavioural Sciences | Group - 3 Students |
| Cork | North Monastery Secondary School | Human - Echolocation | Technology | Group - 2 Students |
| Cork | North Monastery Secondary School | A Smart Milking Solution | Technology | Group - 3 Students |
| Cork | Pobalscoil na Tríonóide | Hurling HEARoes | Technology | Group - 2 Students |



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| Cork | Coláiste Choilm | A Statistical Analysis of How Emojis are Affecting Children and Young People's Emotional Literacy. | Social and Behavioural Sciences | Group - 2 Students |
| Cork | Sacred Heart Secondary School | Wilful Waste, Woeful Want: An investigation into lunch packaging. | Social and Behavioural Sciences | Group - 2 Students |
| Cork | Mount Mercy College | Identification of plant extracts and oils as insect repellents | Biological and Ecological | Group - 3 Students |
| Cork | Mount Mercy College | What can we do with seaweed and how much is it worth to Ireland? | Biological and Ecological | Group - 3 Students |
| Cork | Kinsale Community School | "Helping Hemp Heal; The Design Of A Nano-Formulation To Increase The Absorption Of Cannabidiol In The Gastro-Intestinal Tract" | Chemical, Physical & Mathematical Sciences | Individual |
| Cork | Sacred Heart Secondary School | Fear Free Foraging- Formulating a home test to distinguish between both edible and poisonous mushrooms by investigating their common chemicals | Biological and Ecological | Group - 3 Students |
| Cork | St Aloysius College Carrigtwohill | A survey to investigate the level of perceived occupational burnout among secondary school teachers in Ireland | Social and Behavioural Sciences | Group - 3 Students |



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| Cork | Sacred Heart Secondary School | Classroom Bullies: Psychological Influence of Heroes | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Coláiste Pobal Bheanntrai | Comparing Concussions: An investigation to see if concussions are more prevalent in females or males and why? | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Loreto Secondary School Fermoy | A statistical analysis of the level of and the reason for non-participation in organised sport in adolescents | Social and Behavioural Sciences | Group - 3 Students |
| Cork | ArdSCOIL Uí Urmoltaigh | Early Warning, Farm Safety System | Technology | Group - 2 Students |
| Cork | Kinsale Community School | An investigation into the effects of soil compaction on autumn carbon sequestration in grassland soils. | Biological and Ecological | Group - 2 Students |
| Cork | St Aloysius College Carrigtwohill | Mushroom Enzymes: The Key To Reducing Excessive Water And Laundry Detergent Usage While Washing Clothes. | Biological and Ecological | Group - 3 Students |
| Cork | Kinsale Community School | People's attitudes towards first aid being a compulsory subject in schools | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Loreto Secondary School Fermoy | The Blue Locker | Technology | Individual |



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| Cork | Millstreet Community School | Assessing economic activity using waste types and volumes from a recycling centre | Social and Behavioural Sciences | Group - 2 Students |
| Cork | St Aloysius College Carrigwohill | Air Quality Monitors; The Construction And Use Of Citizen Owned Particulate Matter Sensors. | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Cork | Skibbereen Community School | Wake Up Call, Is sleep deprivation the new epidemic for teens? | Social and Behavioural Sciences | Group - 3 Students |
| Cork | St Aloysius College Carrigwohill | The Physiological Effects Of Virtual Reality Simulations | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Coláiste Choilm | A statistical analysis of women's attitude to smear tests in wake of the cervical cancer scandal | Social and Behavioural Sciences | Group - 2 Students |
| Cork | Gaelcholáiste Mhuire | Conas truailliu san uisce a laghdú tré plaisteach in-bhithmhillte a dhéanamh as prátaí | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Cork | St Mary's Secondary School | To investigate how audio illusions can deceive you. | Biological and Ecological | Group - 2 Students |
| Cork | North Monastery Secondary School | C.A.T. Colour Assistant Technology | Technology | Group - 2 Students |



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| Cork | Maria Immaculata Community College | To investigate if Irish teenagers can acquire Irish Sign Language faster than Spanish | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Coláiste Choilm | An investigation into the robustness and efficacy of a selection of internet safety programs as well as a statistical analysis of parent's attitude and use of these programs | Technology | Individual |
| Cork | Bandon Grammar School | Dyslexia: Learning difficulty or hidden talent? | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Bandon Grammar School | Something to chew on | Social and Behavioural Sciences | Group - 2 Students |
| Cork | Coláiste Muire Crosshaven | The effects of heavy rainfall on plastic pollution in the ocean | Biological and Ecological | Individual |
| Cork | Boherbue Comprehensive School | Born to be real not to be perfect - An Investigation into whether the pressures and influences on physical appearances have changed in the last 20 years. | Social and Behavioural Sciences | Group - 2 Students |
| Cork | St Aloysius College Carrigtwohill | Using the idea behind Vitruvian Man as a non-invasive identifying diagnostic tool for scoliosis. | Chemical, Physical & Mathematical Sciences | Individual |



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| Cork | Coláiste an Chraoibhin | Searching for a Simple Satellite Solution | Chemical, Physical & Mathematical Sciences | Individual |
| Cork | Scoil Mhuire Kanturk | To Investigate the effect of technology on students. | Social and Behavioural Sciences | Group - 2 Students |
| Cork | Bandon Grammar School | First impressions | Social and Behavioural Sciences | Group - 2 Students |
| Cork | Christ King Girls Secondary School | How does guided meditation and yoga affect students' memory and stress levels? | Social and Behavioural Sciences | Individual |
| Cork | Coachford College | How does coloured paper influence learning? | Social and Behavioural Sciences | Group - 3 Students |
| Cork | St Francis Capuchin College | Tick Tock concentration clock! | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Coláiste Pobal Bheanntrai | Is seaweed the skincare solution for the future? | Biological and Ecological | Group - 3 Students |
| Cork | Coláiste Choilm | An ecological survey on the flora of the formerly flooded Gearagh following recent weather phenomena | Biological and Ecological | Group - 3 Students |



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| Cork | Coláiste Pobal Bheantraí | Shut your mouth; A comparative study of the difference in the level of oxygen when breathing through your nose and mouth during exercise | Biological and Ecological | Group - 3 Students |
| Cork | Midleton College | To investigate and improve the monitoring of SIDS in infants | Technology | Group - 2 Students |
| Cork | Carrigaline Community School | Automated Water System Using Renewable energy. | Technology | Individual |
| Cork | Ursuline Secondary School | An investigation into the attitudes of Irish adolescents towards the Me Too movement and what constitutes as sexual harassment | Social and Behavioural Sciences | Group - 3 Students |
| Cork | Carrigaline Community School | To investigate the nitrate levels in drinking water supplied by water treatment plants in Cork | Biological and Ecological | Group - 2 Students |
| Cork | Coláiste Na Toirbhirte | Turning Irish plants into biofuel and comparing the potential of different Irish plants' ability to do so | Biological and Ecological | Group - 3 Students |
| Cork | Carrigaline Community School | Can You React in Time | Biological and Ecological | Individual |



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| Cork | Scoil Mhuire | What gets your brain going? Caffeine v Exercise | Biological and Ecological | Group - 2 Students |
| Cork | Kinsale Community School | The Design and Development of a Protective Field Hockey Helmet | Technology | Group - 2 Students |
| Cork | Mount St Michael | Comparative analysis of sand composition in four West Cork beaches. | Biological and Ecological | Group - 3 Students |
| Cork | Mount St Michael | Pedestrian Vehicle Early Detection System | Technology | Group - 2 Students |
| Donegal | Coláiste Ailigh | Staidéar ar cén glúin in Éirinn atá is gníomhach agus is eolach faoi athrú aeráide | Social and Behavioural Sciences | Individual |
| Donegal | Loreto Community School | An Investigation Into the Effects On Cognition of Sucrose, Fructose, Glucose, Saccharin and Caffeine | Biological and Ecological | Group - 3 Students |
| Donegal | Pobalscoil Ghaoth Dobhair | Ag Comhcheangail Foinsí fuinneamh inathnuaite le Fuinneamh a Fháil ar Éileamh. | Technology | Group - 3 Students |
| Donegal | Pobalscoil Ghaoth Dobhair | Ábhair Éiritheach - Cén ceann is éifeachtaí | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Donegal | Pobalscoil Ghaoth Dobhair | Dearcadh tiománaithe óga i leith alcól | Social and Behavioural Sciences | Group - 3 Students |



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|---------------|---------------------------|--|--|--------------------|
| Donegal | Rosses Community School | Pulling An All Fortniter? | Social and Behavioural Sciences | Group - 2 Students |
| Donegal | Pobalscoil Ghaoth Dobhair | Ag Uasmhádú Leictrealú Maximising Electrolysis | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Donegal | Coláiste Ailigh | BusETA: Coras GPS a chrúthú chun an thuras ar scoil agus ó scoil a feabhsú | Technology | Individual |
| Donegal | Coláiste Ailigh | Carbon Latte, Do you want metal with that: An investigation in the removal of heavy metals from waste water by reduced graphene oxide (rGO) carbon foams | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Donegal | Magh Ene College | The Attraction of MagLev Trains: A Study into the Thermo Magnetic Properties of Negatively Accelerating Objects | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Donegal | Magh Ene College | Mi-Wi-Fi: An investigation into the high frequency EM interference between Microwave Ovens and Wi-Fi | Chemical, Physical & Mathematical Sciences | Group - 2 Students |



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| Donegal | Loreto Community School | Yummy plastic filled wormies: An investigation into the environmental impact of micro-plastic exposure on the growth rate and mortality of the humble earthworm. | Biological and Ecological | Group - 2 Students |
| Donegal | Pobalscoil Ghaoth Dobhair | Cén fáth nach labhrann déagóraí a bhfuil gaeilge acu, gaeilge sa lá inniú. | Social and Behavioural Sciences | Group - 3 Students |
| Donegal | Carndonagh Community School | Will white wine remove red wine stains from clothing? – an investigation into the reaction which occurs when white wine is rubbed into a red wine stain. | Chemical, Physical & Mathematical Sciences | Individual |
| Donegal | Coláiste Ailigh | Imscrúdú ar an Éifeacht atá ag Turmeiric ar an Córas Imdhianach i rith Seasúir an Slaghdán | Biological and Ecological | Group - 3 Students |
| Donegal | Deele College | An Investigation into the meaning, uses and effects of unconscious bias in modern society | Social and Behavioural Sciences | Group - 2 Students |
| Donegal | St Eunan's College | Making Social Media a Better Place Using Artificial Intelligence | Technology | Individual |
| Donegal | Scoil Mhuire | A solar powered solution for the aquaponic growth of leafy crops in developing countries | Biological and Ecological | Group - 2 Students |



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| Donegal | Coláiste Ailigh | Corás rabhadh a chrúthú chun scioradh talún a h-aimsíú | Technology | Individual |
| Donegal | Coláiste Ailigh | Staidear Eiceolaíochta agus Bitheolaíochta den abhainn Súileach | Biological and Ecological | Individual |
| Donegal | Coláiste Ailigh | Identifying dehydration in saliva | Chemical, Physical & Mathematical Sciences | Individual |
| Down | South Eastern Regional College - Bangor Campus | Investigating the antibacterial effects of oils | Biological and Ecological | Group - 2 Students |
| Down | South Eastern Regional College - Bangor Campus | An investigation into the antibacterial properties of woodland plants | Biological and Ecological | Group - 2 Students |
| Down | South Eastern Regional College - Bangor Campus | Investigation into the growth of algae for bio-fuel use. | Biological and Ecological | Individual |
| Down | Regent House School | Fuel For Thought: What If We Banned Petrol And Diesel Cars From Our Roads? | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Down | Regent House School | Flippin' great: investigating the physics behind the bottle-flipping trick | Chemical, Physical & Mathematical Sciences | Individual |



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| Dublin | Coláiste Eoin | Ag fiosrú an tionchar atá ag gá leictreoin ar pláta miotal agus PVC | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Dublin | Loreto High School | Trouble "aHead" for Hockey? An investigation into the incidence of head injuries in hockey. | Biological and Ecological | Group - 2 Students |
| Dublin | The Institute Of Education - Dublin | Mors a Vita, A Study into the antibacterial properties of the basic building blocks of life | Biological and Ecological | Group - 2 Students |
| Dublin | Coláiste Iosagáin | Staidéar comparáideach ar thruailliú micreaphlaistigh i bhfoinsí uiscí éagsúla timpeall na hÉireann | Biological and Ecological | Individual |
| Dublin | Portmarnock Community School | Bicycle of Life | Biological and Ecological | Group - 2 Students |
| Dublin | Kishoge Community College | Smart Home For The Hearing Impaired | Technology | Group - 2 Students |
| Dublin | Pobalscoil Neasain | A Biological investigation into the antimicrobial properties of the proteolytic enzyme bromelain found in pineapples | Biological and Ecological | Group - 3 Students |
| Dublin | Kishoge Community College | Irish Bee Diversity App | Biological and Ecological | Group - 3 Students |



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| Dublin | Sandford Park School Ltd | Searching For Strife - are online content providers directing us towards negative content | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Dublin | Coláiste Eoin | Codladh agus Cumas Aclaíochta i Déagóirí | Biological and Ecological | Group - 3 Students |
| Dublin | Gonzaga College | How to Learn Quickly: An investigation of how to optimally train deep neural networks and its implications for human learning | Technology | Individual |
| Dublin | Coláiste Phádraig | Balloon Based Observation of Sporadic Meteors from the Stratosphere | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Dublin | St Andrew's College | Discovery of the Ideal Microenvironment for the Differentiation of hiPSCs into Islets of Langerhans | Biological and Ecological | Individual |
| Dublin | Pobalscoil Neasain | "COULD IT BE SEPSIS?? These FOUR WORDS could SAVE your LIFE!!" A statistical investigation examining the public's perceptions and accurate understanding of Septicaemia within Ireland | Social and Behavioural Sciences | Group - 2 Students |
| Dublin | Coláiste Phádraig | Leaving Cert Computer Science: Who chooses it and why? | Social and Behavioural Sciences | Group - 3 Students |



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| Dublin | Coláiste Iosagáin | Gléas ar aimsíonn bacanna do daoine dall | Technology | Group - 2 Students |
| Dublin | Loreto High School | Electrolytic | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Dublin | Loreto High School | Run the Risk | Social and Behavioural Sciences | Group - 3 Students |
| Dublin | Loreto High School | Plastic as a dish, what's in our fish? | Biological and Ecological | Group - 2 Students |
| Dublin | Sutton Park School | A New Fire-Proof System For Tall Buildings Using Tree Bark | Biological and Ecological | Individual |
| Dublin | Belvedere College | A Rental Property Investment Tool to Aid Ireland's Ticking Pension Time Bomb | Technology | Individual |
| Dublin | Pobalscoil Neasain | Do you take your tea with plastic? A chemical analysis investigating MICROPLASTICS within a variety of tea bags and the consequences this has on compost development and quality. | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Dublin | St Andrew's College | Can we make mealworms eat more plastic? | Biological and Ecological | Individual |
| Dublin | St Michaels College | Bacteria & Their Effect on Crude Oil | Biological and Ecological | Individual |



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| Dublin | St Michaels College | Lasers: The Future | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Dublin | Synge Street CBS | An Extension of Newton's N-Body Problem | Chemical, Physical & Mathematical Sciences | Individual |
| Dublin | St. Kilian's German School | What makes Dublin shake? | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Dublin | Ardgillan Community College | A Yearlong Chemical Analysis of Pollutants in The Bracken River | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Dublin | Synge Street CBS | Euler's Solution of the Tenth Problem of Apollonius | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Dublin | Coláiste Phádraig | Collision Avoidance Algorithm for Self-Driving Cars | Technology | Group - 3 Students |
| Dublin | Coláiste Phádraig | Computer Vision for Detecting Errors in 3D Printing | Technology | Group - 3 Students |
| Dublin | Synge Street CBS | Intersections of Sequences of Polygonal Numbers | Chemical, Physical & Mathematical Sciences | Group - 2 Students |



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| Dublin | Castleknock College | Skip-A-Slip | Technology | Individual |
| Dublin | St Joseph's Secondary School | Seal Whiskers - Bioinspiration for Oceantech | Technology | Individual |
| Dublin | Portmarnock Community School | Crossing The Bridge From Earth To Mars: An Investigation Into Whether A Simulant Of Martian Soil Can Produce Plants in a Martian Environment. | Biological and Ecological | Group - 2 Students |
| Dublin | Pobailscoil Iosolde | Applying nanoparticles with thermal compound to a CPU to increase thermal conductivity. | Technology | Individual |
| Dublin | Loreto Secondary School, Balbriggan | Replacement of Standardised Primary Polyethylene Microbeads with Biodegradable Alternatives | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Dublin | St. Fintan's High School | An intervention to teach young GAA players how to manage their emotions during competitive matches | Social and Behavioural Sciences | Group - 2 Students |
| Dublin | Saint Dominic's Secondary School | Item Tracking Cupboard | Technology | Group - 2 Students |
| Dublin | Castleknock College | PhysBot - Bot For Good | Technology | Group - 2 Students |



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| Dublin | Terenure College | The mass production of sodium alginate and calcium lactate capsules as a new method of drug delivery | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Dublin | Colaiste Pobail Setanta | An investigation into Character Formation and the factors that influence it | Social and Behavioural Sciences | Group - 2 Students |
| Dublin | St. Fintan's High School | Long distance farming | Biological and Ecological | Group - 2 Students |
| Dublin | Coláiste Chilliaín | 'Ag baint ó Mhánas chun Murchadh a íoc'. Conas caomhnú uisce níos fearr a dhéanamh. | Biological and Ecological | Individual |
| Dublin | St Louis High School | Irish Sign Language (ISL): learning the language in a class room vs online and a study into the awareness of the language | Social and Behavioural Sciences | Group - 3 Students |
| Dublin | Pobailscoil Iosolde | Colorimetric Indicator for Early Screening of The Celtic Curse. | Chemical, Physical & Mathematical Sciences | Individual |
| Dublin | Muckross Park College | Cognitive Classrooms - a novel approach to streaming classes for the new Junior Cycle | Social and Behavioural Sciences | Group - 2 Students |



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| Dublin | Wesley College | An Investigation into what factors maximise the percentage of energy transfer from potential to kinetic energy | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Dublin | St Mary's Secondary School | An Investigation into Effective Stress Coping Mechanisms and Strategies in Adolescents | Social and Behavioural Sciences | Individual |
| Dublin | Ringsend College | Can five minutes of mindfulness reduce anxiety and improve behaviour? | Social and Behavioural Sciences | Group - 2 Students |
| Dublin | St Joseph's Secondary School | Weighing in: A study into BMI measurement programmes in Irish School. | Social and Behavioural Sciences | Group - 2 Students |
| Dublin | Loreto College | The Acidity of Sugary Drinks and their Correlation to Bacteria Levels | Chemical, Physical & Mathematical Sciences | Individual |
| Dublin | Templeogue College | Using satellites to establish if there is a correlation between the air quality of a city and the health of its plants | Biological and Ecological | Group - 3 Students |
| Dublin | Muckross Park College | IOT Rain Gauge system | Technology | Individual |
| Dublin | Loreto College | What Should Irish Democracy Look Like - and Could Brexit Affect It? | Social and Behavioural Sciences | Individual |



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| Dublin | Coláiste Phádraig | The Link between Cubic Polynomials and Origami | Chemical, Physical & Mathematical Sciences | Individual |
| Dublin | Castleknock College | The Multifunctional Automaton | Technology | Group - 2 Students |
| Dublin | St Louis High School | Acid Rain, Leaf Us Alone! | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Dublin | Terenure College | “The Creation of a “Real Time” Detection System and Treatment Method for Legionella in Water” | Biological and Ecological | Group - 2 Students |
| Dublin | Alexandra College | Intersection of Multidimensional Planes in Projective Geometry | Chemical, Physical & Mathematical Sciences | Individual |
| Dublin | Blackrock College | Technical analysis line equations and algorithms | Chemical, Physical & Mathematical Sciences | Individual |
| Dublin | Dominican College | The Misconception about Obsessive Compulsive Disorder and what the Mental Illness is really about | Social and Behavioural Sciences | Group - 2 Students |
| Dublin | Lucan Community College | An investigation of how the bi-annual clock change affects the Irish population. | Social and Behavioural Sciences | Group - 2 Students |



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| Dublin | Pobailscoil Iosolde | Examining the Effect of Caffeine on the Larvae of Soldier Black Flies. | Biological and Ecological | Individual |
| Dublin | St Joseph's Secondary School | Developing a motion-generated light indicator for cyclist using micro-bit controllers. | Technology | Group - 3 Students |
| Dublin | St Joseph's Secondary School | An investigation which uses quantitative surveying techniques to determine the role plastic plays in littering our local beaches. | Biological and Ecological | Group - 3 Students |
| Dublin | Loreto Secondary School, Balbriggan | An investigation into the growth response of the <i>pisum savitum</i> 's roots towards different acoustics and whether noise pollution affects plants | Biological and Ecological | Individual |
| Dublin | Lucan Community College | Women in Sport: A Study to Investigate and Examine the Most Effective Ways of Keeping Girls Playing Sport Throughout Their Teenage Years | Social and Behavioural Sciences | Group - 3 Students |
| Dublin | Loreto College | Overtraining Syndrome in Teenage Girls | Social and Behavioural Sciences | Group - 2 Students |



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| Dublin | Belvedere College | Amplified Renewable bioelectrical energy in Reduced Carbon Footprint Livestock Waste Treatment System | Biological and Ecological | Individual |
| Dublin | St Marys College - C.S.Sp. | How magic affects the brain | Social and Behavioural Sciences | Individual |
| Dublin | The Kings Hospital | Using statistics to investigate changing use of language in Irish Primary students' writing after 80 Years. | Social and Behavioural Sciences | Group - 2 Students |
| Dublin | Coláiste Phádraig | Collatz Conjecture | Chemical, Physical & Mathematical Sciences | Individual |
| Dublin | Le Chéile Secondary School | The Big Bingewatch Theory | Social and Behavioural Sciences | Group - 3 Students |
| Dublin | Loreto Secondary School, Balbriggan | Can you effectively make biodegradable clothes? | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Dublin | Coláiste Phádraig | Multipath Routing | Technology | Group - 3 Students |
| Dublin | Loreto College | The investigation into heart rate and calorie count of a smartwatch | Chemical, Physical & Mathematical Sciences | Individual |



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| Dublin | Skerries Community College | Optimizing The Simulation Of General Quantum Circuits | Chemical, Physical & Mathematical Sciences | Individual |
| Dublin | St Marys College - C.S.Sp. | Using tobii eye tracker 4c to assist people with Parkinson's disease to use computers | Technology | Group - 3 Students |
| Dublin | Loreto Secondary School, Balbriggan | An Investigation into the Effect of a Farmer's Attitude Towards Nature on the Biodiversity of the Soil on their Farm. | Biological and Ecological | Individual |
| Dublin | Gaelcholáiste an Phiarsaigh | An Éifeacht A Bhíonn Ar Teocht Ón Láithreachta Agus Iompraíocht Ar Baictéir Sna Aibhneacha Agus Sruithléann Áitiúil. | Biological and Ecological | Group - 3 Students |
| Dublin | Kingswood Community College | Investigation into COPD concentrators | Technology | Individual |
| Dublin | Santa Sabina Dominican College | To test if hockey sticks with a low bow and high carbon content are really the most effective. | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Dublin | The Kings Hospital | An investigation into the development of antibiotic resistance in certain bacterial species with the aim of sequencing their genomes for any significant genetic changes | Biological and Ecological | Group - 3 Students |



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| Dublin | Coláiste Iosagáin | Staidéar ar na difríochtaí sláinte idir an Lucht Siúil agus pobal gineareálta na hÉireann, agus scagthóir sláinte a dhearadh i gcomhréir leo. | Social and Behavioural Sciences | Individual |
| Dublin | Skerries Community College | Investigating the Properties of Electromagnetic Waves Using Polarising Filters | Chemical, Physical & Mathematical Sciences | Individual |
| Dublin | Santa Sabina Dominican College | An Investigation into Making Food Waste into Bioplastic for Everyday Use | Biological and Ecological | Group - 2 Students |
| Dublin | Santa Sabina Dominican College | Improve your learning | Technology | Group - 2 Students |
| Dublin | Blackrock College | A study into the use of reflective materials to increase the efficiency of solar panels. | Technology | Individual |
| Dublin | Blackrock College | Becoming Carbon Neutral | Social and Behavioural Sciences | Group - 2 Students |
| Dublin | Rathdown School | The Placebo Effect of Coffee | Social and Behavioural Sciences | Group - 2 Students |
| Dublin | Cabinteely Community School | Mental Health in LGBT People | Social and Behavioural Sciences | Group - 2 Students |



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| Dublin | Coláiste Eoin | Forlíontaí Próitéin: Measúnú ar Eolas, Iompraíochtaí agus Dearcaí i measc Mic Léinn na Meánscoile. | Social and Behavioural Sciences | Group - 2 Students |
| Dublin | Loreto Abbey Secondary School | How restriction of social media and electronic devices impacts on the mental and physical well-being of teenage girls. | Social and Behavioural Sciences | Group - 3 Students |
| Dublin | Loreto Abbey Secondary School | How The Physics Of A Hockey Stick Affect Ones Performance | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Dublin | St Joseph's Secondary School | Does having a distraction affect your pain receptors. | Social and Behavioural Sciences | Individual |
| Dublin | St Andrew's College | Testing the hydrostatic head and breathability of different raincoat material | Chemical, Physical & Mathematical Sciences | Individual |
| Dublin | St Joseph's Secondary School | H ₂ O – The only equation you need: The importance of hydration for cognitive ability. | Social and Behavioural Sciences | Group - 2 Students |
| Dublin | St Andrew's College | Discourse and proof of the Perelman-Hamilton theorem solving the Poincaré Conjecture | Chemical, Physical & Mathematical Sciences | Individual |



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| Dublin | St Andrew's College | How the different stages of grass growth effect the content of milk. | Biological and Ecological | Individual |
| Dublin | Loreto Secondary School, Balbriggan | The Impact of Exposure to Ethnic Music on Cultural Attitudes | Social and Behavioural Sciences | Group - 2 Students |
| Dublin | St Joseph's Secondary School | There's 2 sides to every story: A study of Social Conformity and Groupthink theory | Social and Behavioural Sciences | Group - 3 Students |
| Dublin | St Joseph's College | Natural Geometry - An extension of Alfred Meyer's 1878 'Floating Magnets' experiment. | Chemical, Physical & Mathematical Sciences | Individual |
| Dublin | Loreto Secondary School, Balbriggan | Does umami affect your taste perception? An investigation into the effect of monosodium glutamate (MSG) on the perception of sweetness and saltiness. | Biological and Ecological | Group - 2 Students |
| Galway | Calasanctius College | Emission Free Omnidirectional Magnetic Driving System | Technology | Individual |
| Galway | Coláiste Bhaile Chláir | A Secure and Anonymous Internet Using Onion Routing | Technology | Group - 2 Students |
| Galway | St Raphaels College | The Effect of Coconut on Barley | Biological and Ecological | Individual |



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| Galway | St Raphaels College | Smartercise- The impact of both aerobic and anaerobic exercise on memory recall in teenagers | Social and Behavioural Sciences | Group - 3 Students |
| Galway | Presentation College Athenry | Machine Learning To Predict Arrow Aerodynamics | Chemical, Physical & Mathematical Sciences | Individual |
| Galway | St Raphaels College | MagicMilk - The Impact of breastfeeding on early infancy health status | Biological and Ecological | Individual |
| Galway | Coláiste Mhuire | Probiotic tablets Vs Foods high in probiotic | Biological and Ecological | Group - 3 Students |
| Galway | Coláiste Bhaile Chláir | How safe do you really think your phone is? | Technology | Group - 3 Students |
| Galway | St. Mary's College | Is the Duracell Bunny pulling the fur over our eyes: An analysis of Battery efficiency | Technology | Individual |
| Galway | St. Mary's College | How our poor voice perception makes us an unreliable ear witness. An analysis of how successful we are at identifying physical characteristics from a person's voice. | Social and Behavioural Sciences | Group - 2 Students |
| Galway | Coláiste Iognáid S.J. | Fast Heal is the Best Deal | Technology | Individual |
| Galway | Coláiste Iognáid S.J. | PAWS-itively Dangerous - Antibiotic Resistance | Biological and Ecological | Group - 3 Students |



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| Galway | St. Mary's College | Are we underselling ourselves? A statistical analysis of Galway's participation in the BTYS | Social and Behavioural Sciences | Group - 2 Students |
| Galway | St. Mary's College | A Statistical Investigation of the Percentage Germination Viability and Ultimate Success of Taraxacum Officinale Seeds | Biological and Ecological | Group - 2 Students |
| Galway | Seamount College | A comparative study of the psychological connection between twins and siblings | Social and Behavioural Sciences | Group - 3 Students |
| Galway | St. Mary's College | Do you trust Bitcoin? Yeah, me neither | Social and Behavioural Sciences | Individual |
| Galway | Coláiste Iognáid S.J. | Fools for Fuels: Air pollution | Biological and Ecological | Group - 3 Students |
| Galway | Portumna Community School | Is the length of a Hurl Statistically Significant in the Speed and Distance a Sliotar travels when struck | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Galway | Coláiste Iognáid S.J. | Can Scientists Tame the Lion's Mane? | Biological and Ecological | Group - 2 Students |
| Galway | Presentation College Headford | Have the changes made to the Junior Cycle science curriculum led to an increase in the ability of students to see flaws or mistakes in a scientific study? | Social and Behavioural Sciences | Group - 3 Students |



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| Galway | Portumna Community School | Get a Grip – Using data analysis to improve U6 Hurling Skill Development. | Social and Behavioural Sciences | Group - 3 Students |
| Galway | Clarín College Athenry | Relax & Reward | Technology | Individual |
| Kerry | Killorglin Community College | A systematic study into using halophyte species to develop a nutrient treatment biofilter to combat oceanic deadzones. | Biological and Ecological | Individual |
| Kerry | Pobalscoil Inbhear Scéine | Is It Possible to Create a Mathematical Model to Predict Photopollution Based on Population Density in Munster? | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Kerry | Mercy Secondary School | Safety Sensor and Camera for Bicycles | Technology | Group - 3 Students |
| Kerry | Killorglin Community College | Is Facebook listening? - An investigation into the use of personal devices as listening apparatuses for data harvesting for targeted advertising | Technology | Group - 2 Students |
| Kerry | Tarbert Comprehensive School | Our Plastic Problem! | Biological and Ecological | Group - 2 Students |



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| Kerry | Tarbert Comprehensive School | An investigation into the economic advantages of employing a plastic reformer to recycle plastic farm waste into sustainable farm products. | Biological and Ecological | Group - 3 Students |
| Kerry | Coláiste na Sceilge | Does an apple a day keep the doctor away? | Biological and Ecological | Group - 2 Students |
| Kerry | C.B.S. Secondary School | A study into the effectiveness of teaching farm safety skills to young children by integrating different teaching pedagogies into a children's storybook. | Social and Behavioural Sciences | Group - 3 Students |
| Kerry | Mercy Secondary School | An Investigation into whether Graphene is an Effective Alternative to Plastic | Biological and Ecological | Group - 2 Students |
| Kerry | Mercy Secondary School | HawkBotDirect | Technology | Individual |
| Kerry | St. Brigid's Secondary School | Investigating the Presence of Microplastics in Freshwater Lakes surrounding Killarney. | Biological and Ecological | Group - 3 Students |
| Kerry | Mercy Secondary School | The Posture Pad | Technology | Group - 2 Students |
| Kerry | Killorglin Community College | Are nursery rhymes appropriate for the 21st century? | Social and Behavioural Sciences | Individual |



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| Kerry | Killorglin Community College | An Investigation Into The Information Collected By Our Mobile Phones | Technology | Group - 2 Students |
| Kerry | Gaelcholáiste Chiarraí | Imscrúdú a dhéanamh ar Eacnamaíochta Iompraíochta de Claontáí Fo-Chonscneacha i gCinntí Tomhaltóirí | Social and Behavioural Sciences | Group - 2 Students |
| Kerry | Presentation Secondary School, Castleisland | An Examination of Racist Attitudes Among Teenagers in Ireland | Social and Behavioural Sciences | Group - 3 Students |
| Kildare | Naas Community College | What-are in the Water | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Kildare | Scoil Mhuire Community School | Examining plant selection to improve the biodiversity of reed beds/integrated constructed wetlands to attract pollinators. | Biological and Ecological | Individual |
| Kildare | Coláiste Naomh Mhuire | Observing The Antibacterial Effect of Processed Honey in Comparison to Raw Honey. | Biological and Ecological | Group - 3 Students |
| Kildare | Coláiste Naomh Mhuire | How do different brands of Cola affect the calcium levels of bones? | Biological and Ecological | Group - 2 Students |
| Kildare | Cross And Passion College | How efficient is algae as a fuel compared to other fuels? | Chemical, Physical & Mathematical Sciences | Group - 2 Students |



Qualified Projects 2019

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|---------------|------------------------------|--|--|--------------------|
| Kildare | Coláiste Lorcaín | The ability of different indigestion tablets and traditional remedies to neutralise stomach acid | Chemical, Physical & Mathematical Sciences | Individual |
| Kildare | Newbridge College | Compostable packaging and food safety | Biological and Ecological | Individual |
| Kildare | Maynooth Education Campus | NIF | Technology | Individual |
| Kilkenny | Loreto Secondary School | Hard Water Heating - Energy Consumption | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Kilkenny | Loreto Secondary School | Assessing parental attitudes to the uptake of the HPV vaccine among adolescent boys in the South East. | Social and Behavioural Sciences | Group - 2 Students |
| Kilkenny | Loreto Secondary School | What causes stress in Irish teenagers and what effects it has on the body | Social and Behavioural Sciences | Group - 2 Students |
| Kilkenny | Coláiste Pobal Osraí | Imscrúdú ar éifeachtúlacht Cuileann ar an borrhéist Trichophyton verruscom | Biological and Ecological | Group - 2 Students |
| Kilkenny | Castlecomer Community School | Artificial Sweeteners Vs Sugars; The health risks associated with each | Social and Behavioural Sciences | Individual |
| Kilkenny | Castlecomer Community School | 'Camogie vs Hurling' - Whose Body Works the Hardest? | Biological and Ecological | Group - 3 Students |



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| Kilkenny | St Kieran's College | Comparing Resting Heart Rate Variability In Leaving Certificate Exam Students Versus Transition Year Students | Biological and Ecological | Group - 3 Students |
| Kilkenny | Loreto Secondary School | The effects of music on mammals | Biological and Ecological | Group - 3 Students |
| Kilkenny | Coláiste Eamann Rís | Most successful pretreatment methods on coniferous tree seed germination rates | Biological and Ecological | Group - 2 Students |
| Kilkenny | Castlecomer Community School | How social media affects teenage girl's body image | Social and Behavioural Sciences | Group - 3 Students |
| Kilkenny | Coláiste Eamann Rís | HFC-134A Capable Cooling loop | Technology | Group - 3 Students |
| Kilkenny | Loreto Secondary School | Does participation in Transition Year translate to better Leaving Certificate results? | Social and Behavioural Sciences | Group - 3 Students |
| Laois | Heywood Community School | A Study on the Effects of Charcoal Toothpaste | Biological and Ecological | Group - 2 Students |
| Laois | Heywood Community School | Less is better. | Biological and Ecological | Individual |
| Laois | Portlaoise College | Does heading the ball in Football affect your memory and reaction speed? | Biological and Ecological | Group - 3 Students |



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| Laois | Heywood Community School | A study on the effect of the change from Daylight Saving Time | Social and Behavioural Sciences | Individual |
| Laois | Heywood Community School | What influences plasma's colour? | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Laois | Heywood Community School | To investigate the effects Fortnite has on your mood. | Social and Behavioural Sciences | Group - 3 Students |
| Leitrim | St. Clare's Comprehensive School | A Two Year Analysis of the Clinical Relationship between Calcium Ion, Vitamin D Levels and DEXA Scans in the Human Anatomy. | Biological and Ecological | Individual |
| Leitrim | Mohill Community College | Decreasing childhood obesity | Social and Behavioural Sciences | Group - 3 Students |
| Limerick | Desmond College | The Rise & Fall of The Fall Army Worm (Spodoptera Frugiperda) | Biological and Ecological | Group - 3 Students |
| Limerick | Desmond College | Synthesis and Analysis of Biodegradable Polymers Enhanced with Organic Waste | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Limerick | Coláiste Iósaef | An Investigation Into Why Mental Health Issues Are On The Rise Amongst Young People In Limerick Today | Social and Behavioural Sciences | Group - 3 Students |



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| Limerick | Desmond College | Safety Harness Attachment to Prevent Suspension Trauma | Technology | Individual |
| Limerick | Desmond College | Eye in the Cab | Technology | Group - 2 Students |
| Limerick | Coláiste Iósaef | The Adverse Effects And Warning Signs Of Crohn's Disease | Biological and Ecological | Group - 2 Students |
| Limerick | Coláiste Chiaráin | Using Plate and Photo Programs to Create a Catalogue of HII Regions That Have Been Misidentified as Galaxies on the SDSS Database | Chemical, Physical & Mathematical Sciences | Individual |
| Limerick | Coláiste Chiaráin | Do different kitchen surface materials differ in their capacity to retain surviving microbial populations after surface cleaning? | Chemical, Physical & Mathematical Sciences | Individual |
| Limerick | Gaelcholáiste Luimnigh | Anti-Antibiotics!: Staidéar ar úsáid antaibheathaigh i gContae an Chláir / A study on the use of antibiotics in County Clare | Biological and Ecological | Group - 2 Students |
| Limerick | Ardcoil Ris | How Now Brown Cow? : A collar with sensors to monitor cow movement, temperature, identification and more. | Technology | Group - 2 Students |



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| Limerick | Ardcoil Ris | What is the Future of the Motor Industry - Diesel, Petrol or Electricity | Social and Behavioural Sciences | Group - 2 Students |
| Limerick | Ardcoil Ris | The Cannabis Question?? Public Opinion on the Legalisation of Medicinal Cannabis in Ireland. | Social and Behavioural Sciences | Group - 3 Students |
| Limerick | Scoil Mhuire agus Íde | The Water Safety Wrist Watch. | Technology | Group - 3 Students |
| Limerick | Desmond College | A scientific investigation into the wild growth and abundance of Agaricus campestris in West Limerick | Biological and Ecological | Group - 2 Students |
| Limerick | Desmond College | A Statistical Analysis of St. Swithins Day | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Limerick | Salesian Secondary College, Pallaskenry | Automation of Location for Ambulance Request | Technology | Group - 3 Students |
| Limerick | John The Baptist Community School | Eating Disorders: Are We Educated? | Social and Behavioural Sciences | Group - 3 Students |
| Limerick | John The Baptist Community School | Does the leaving certificate efficiently prepare you for college? | Social and Behavioural Sciences | Group - 3 Students |



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| Limerick | John The Baptist Community School | An Investigation Into the Difference in Retention of Information When Learning Using Screen, Using Paper or Aurally on the Basis of Age and Gender | Social and Behavioural Sciences | Individual |
| Limerick | John The Baptist Community School | 'The Mandela Effect': A cognitive study proving the existence of collective confabulation | Social and Behavioural Sciences | Group - 3 Students |
| Limerick | John The Baptist Community School | Statistical Analysis Evaluating the Irish Public's Views Towards Government Ability to Solve Current Issues facing Irish Society | Social and Behavioural Sciences | Group - 2 Students |
| Limerick | John The Baptist Community School | An investigative study on views towards student centred teaching methodologies in the Irish secondary level education system | Social and Behavioural Sciences | Group - 3 Students |
| Limerick | Laurel Hill Secondary School FCJ | Ditch the Decks or Feel the Effects! | Biological and Ecological | Group - 3 Students |
| Limerick | Castletroy College | Finding Patterns In Prime Numbers Using The Collatz Conjecture | Chemical, Physical & Mathematical Sciences | Individual |
| Limerick | Castletroy College | The Effects of Seating Plans on Academic Performance. | Social and Behavioural Sciences | Group - 2 Students |



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| Limerick | Coláiste Chiaráin | Designing a hydroponic system for sustainable plant growth on the moon. | Technology | Group - 2 Students |
| Limerick | Gaelcholáiste Luimnigh | Cabhair Cuimhne | Social and Behavioural Sciences | Group - 2 Students |
| Limerick | Colaiste Nano Nagle | Project Plant | Technology | Group - 2 Students |
| Limerick | Colaiste Nano Nagle | Tracka | Technology | Group - 3 Students |
| Limerick | Colaiste Nano Nagle | Cookies for Rookies | Social and Behavioural Sciences | Group - 3 Students |
| Limerick | Scoil Mhuire agus Íde | A statistical study of the correlation between ground conditions and lower body impact injuries | Social and Behavioural Sciences | Group - 2 Students |
| Limerick | Salesian Secondary College, Pallaskenry | The Silent Fidget | Technology | Group - 2 Students |
| Limerick | Salesian Secondary College, Pallaskenry | Detecting the departure of a Queen Bee from a hive. | Biological and Ecological | Individual |
| Limerick | Desmond College | Sharing - but not Caring | Social and Behavioural Sciences | Individual |



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| Limerick | Ardscoil Ris | TagBuddy A Safe & Secure NFC authenticated messaging service for teenagers | Technology | Individual |
| Limerick | Salesian Secondary College, Pallaskenry | Sticks and Stones | Social and Behavioural Sciences | Group - 3 Students |
| Limerick | Gaelcholáiste Luimnigh | Seven times above the limit! A study into Aluminium levels in Limerick water supply (Seacht n-uaire thar an teorainn! Imscrúdú ar leibhéal Alúmanam i soláthar uisce Luimnigh) | Biological and Ecological | Group - 3 Students |
| Limerick | St Munchin's College | The impact of diet and exercise on BMI in secondary students in Ireland | Biological and Ecological | Group - 3 Students |
| Limerick | Salesian Secondary College, Pallaskenry | Alzheimer's Tracker | Technology | Group - 2 Students |
| Limerick | Coláiste Iósaef | Using Artificial Intelligence to advance content creation | Technology | Individual |
| Limerick | Salesian Secondary College, Pallaskenry | Minorities in the Media | Social and Behavioural Sciences | Group - 2 Students |



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| Limerick | Salesian Secondary College, Pallaskenry | Do the weeds affect the bees? | Biological and Ecological | Group - 3 Students |
| Limerick | Salesian Secondary College, Pallaskenry | Cervical Cancer - Not So Silent | Social and Behavioural Sciences | Individual |
| Londonderry | St Mary's College | Investigating the effect of activated charcoal on the absorbance of a range of medicines | Chemical, Physical & Mathematical Sciences | Individual |
| Londonderry | St Mary's Gs | CropSafe - Redefining the future of agriculture, today | Technology | Group - 2 Students |
| Londonderry | St Mary's College | Investigating various plastic bottled drinks for the presence of microplastics | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Londonderry | St Mary's College | Investigating a method that can be used to determine the active ingredients in medications using 2 homemade spectrophotometers | Chemical, Physical & Mathematical Sciences | Individual |
| Londonderry | St Mary's College | Investigating ways of removing from water nanoparticles originating from sunscreens | Chemical, Physical & Mathematical Sciences | Group - 2 Students |



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| Londonderry | Loreto College Coleraine | Echolocation | Chemical, Physical & Mathematical Sciences | Individual |
| Londonderry | St Mary's College | Investigating the health risks of wearing contact lenses | Chemical, Physical & Mathematical Sciences | Individual |
| Londonderry | St Mary's College | Investigating the Effect of Vaping on Live Cells | Biological and Ecological | Group - 2 Students |
| Londonderry | St Mary's College | Measuring the effectiveness of blue light screen guards in mobile phones | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Londonderry | Loreto College Coleraine | Tree Trigonometry | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Londonderry | Loreto College Coleraine | Gecko Grip | Chemical, Physical & Mathematical Sciences | Individual |
| Londonderry | Loreto College Coleraine | Flipping Physics | Chemical, Physical & Mathematical Sciences | Individual |
| Longford | Ballymahon Vocational School | Analysing the Use and Efficiency of Cow Sensors on Dairy Farms | Technology | Group - 3 Students |



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| Longford | Ballymahon Vocational School | A statistical investigation into the effects of the fodder crisis on farmers mental wellbeing | Social and Behavioural Sciences | Group - 3 Students |
| Longford | Lanesboro Community College | The cost of playing for the club: A statistical analysis of time and money spent by GAA Senior Club players | Social and Behavioural Sciences | Individual |
| Longford | Lanesboro Community College | Step Over Maths: A Step in the Right Direction? | Social and Behavioural Sciences | Individual |
| Longford | Moyne Community School | Study of First Year students' home use of Information and Communication Technology (ICT) | Social and Behavioural Sciences | Group - 2 Students |
| Longford | Lanesboro Community College | Counting the Carbon Dioxide Cost of Our Diets: Designing a model to quantify effects of our diets on CO2 emissions. | Biological and Ecological | Individual |
| Longford | Cnoc Mhuire | Environmental Awareness | Social and Behavioural Sciences | Group - 2 Students |
| Louth | Bush Post Primary School | Are we Witnessing the Downfall of Catholicism in Ireland in today's society? | Social and Behavioural Sciences | Group - 3 Students |
| Louth | Bush Post Primary School | How Brexit will affect businesses on both sides of the border between the Republic of Ireland and Northern Ireland | Social and Behavioural Sciences | Group - 3 Students |



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| Louth | Bush Post Primary School | Does caffeine affect performance? | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Louth | St Vincent's Secondary School | A Fourier Analysis of Mathematical Wave Patterns in Irish Dancing | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Louth | St Vincent's Secondary School | 'Build a tower, Build a team'. Who will perform better in 'The Marshmallow Challenge'? Groups of people from successful business and sporting teams or randomly put together teams. | Social and Behavioural Sciences | Group - 2 Students |
| Louth | Bush Post Primary School | The Effects of Global Warming On Crops | Biological and Ecological | Group - 3 Students |
| Louth | St Mary's Diocesan School | Does the strength of your sense of smell have a correlation with the strength of your short-term and long-term memory | Biological and Ecological | Group - 2 Students |
| Louth | St Vincent's Secondary School | An Analysis of Female Centric Bullying Terminology | Social and Behavioural Sciences | Group - 2 Students |
| Louth | Our Ladys College | An Investigation Of How Mathematical Number Sequences End. | Chemical, Physical & Mathematical Sciences | Individual |



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| Louth | Our Ladys College | Lives without Mental Imagery | Biological and Ecological | Individual |
| Louth | Dundalk Grammar School | VISIONsystems (Visual Impairment Supporting Interactive Optical Navigating systems) That are Powered by Solar Energy and Thermoelectric Cooling | Chemical, Physical & Mathematical Sciences | Individual |
| Mayo | Colaiste Chomain | How safe are our roads? | Social and Behavioural Sciences | Group - 3 Students |
| Mayo | St. Mary's Secondary School | To identify a Novel and Wildlife Supporting Use of Seafood Waste in Coastal Protection Against Destructive Ocean Waves | Biological and Ecological | Group - 2 Students |
| Mayo | Coláiste Pobail Acla | Technology that can prevent or reduce sexual offences | Technology | Group - 2 Students |
| Meath | Eureka Secondary School | Thumbs Up: A Scientific Investigation into Texting Style and its Relationship with Finger Strength, and Frequency or Increase in Localized Pain | Biological and Ecological | Group - 3 Students |
| Meath | Franciscan College | An investigation into whether coagulant agents such as Aluminium sulfate can facilitate the removal of plastic from the ocean/sea. | Chemical, Physical & Mathematical Sciences | Individual |



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| Meath | Eureka Secondary School | An Investigation into the Physiological Changes that Occur When Playing 'Fortnite' | Biological and Ecological | Group - 3 Students |
| Meath | Eureka Secondary School | Should All Teens Switch to Black and White Screens? | Social and Behavioural Sciences | Group - 3 Students |
| Meath | St Patrick's Classical School | Code-Ed | Technology | Group - 3 Students |
| Meath | Ashbourne Community School | Are young people enjoying their time in school? | Social and Behavioural Sciences | Individual |
| Meath | Scoil Mhuire | Wearable Memory Device | Social and Behavioural Sciences | Individual |
| Monaghan | Our Lady's Secondary School | Absenteeism as a result of Type 1 diabetes | Social and Behavioural Sciences | Group - 3 Students |
| Monaghan | Patrician High School | Investigation of the link between excessive social media use and anxiety. | Social and Behavioural Sciences | Group - 3 Students |
| Monaghan | St. Louis Secondary School | An Investigation into whether Kinesio sports tape helps or hinders athletic ability during physical activity | Social and Behavioural Sciences | Group - 3 Students |
| Offaly | Tullamore College | Investigation of the levels of hidden aldehydes and ketones in e-liquid when heated | Chemical, Physical & Mathematical Sciences | Individual |



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| Offaly | St. Brendan's Community School | A Vegetarian World | Social and Behavioural Sciences | Group - 3 Students |
| Offaly | Colaiste Choilm | "BeatTheDrought" - A smart, staged, domestic greywater eco-treatment system. | Technology | Individual |
| Offaly | Colaiste Choilm | Memobiology - A study of common behaviour in internet memes and organisms | Social and Behavioural Sciences | Individual |
| Offaly | Tullamore College | Investigation of the effect of compostable single use coffee cups on compost formation as an indication of their impact on our environment. | Biological and Ecological | Group - 3 Students |
| Roscommon | Scoil Mhuire gan Smál | Reading for Equality - An investigation into the gender and racial bias in children's classical and modern books, and if it can create stereotypes | Social and Behavioural Sciences | Individual |
| Roscommon | St Nathy's College | Changing Tastes | Biological and Ecological | Group - 3 Students |
| Roscommon | St Nathy's College | Teenagers and Sport | Social and Behavioural Sciences | Individual |



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| Roscommon | C.B.S. Roscommon | Are students from national schools with autism centres more empathetic to students with ASD? | Social and Behavioural Sciences | Individual |
| Roscommon | C.B.S. Roscommon | How healthy are alternative sausages compared to the traditional pork sausage. | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Roscommon | Scoil Mhuire gan Smál | Does Practice Really Make Perfect? | Social and Behavioural Sciences | Group - 2 Students |
| Roscommon | C.B.S. Roscommon | What is the optimum conditions for drying turf? | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Roscommon | Scoil Mhuire gan Smál | The impact of closing post offices in rural Ireland | Social and Behavioural Sciences | Group - 2 Students |
| Roscommon | C.B.S. Roscommon | Effects of copper sulphate, zinc sulphate and formalin on footrot | Biological and Ecological | Group - 3 Students |
| Roscommon | Scoil Mhuire Strokestown | The positives of Game Based Learning | Social and Behavioural Sciences | Group - 2 Students |
| Roscommon | Castlerea Community School | Why are we not wearing protective head gear in sports? | Biological and Ecological | Individual |
| Roscommon | C.B.S. Roscommon | The effect that the Summer 2018 Drought had on Irish Farmers | Biological and Ecological | Group - 3 Students |



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| Roscommon | Scoil Mhuire Strokestown | Fortnite: Good or Bad | Social and Behavioural Sciences | Group - 2 Students |
| Sligo | Ballinode College | The Quantitative After-Effects of Awareness Campaigns | Social and Behavioural Sciences | Group - 2 Students |
| Sligo | Ursuline College | The Pollen Project | Technology | Group - 3 Students |
| Sligo | Ursuline College | Wind Energy, I'm A Big Fan! - An investigation into using novel apertures for utilising wind turbines | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Sligo | Ursuline College | 'Do you see what I'm saying?' - A practical code transfer system utilising surface micro-vibrations initiated by incident sound waves | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Sligo | Ursuline College | No Smoke Without Fire- Can recycled catalytic convertors be retrofitted into wood stoves to efficiently clean smoke emissions? | Technology | Group - 3 Students |
| Sligo | Ursuline College | Flat Out | Technology | Group - 3 Students |
| Sligo | Ursuline College | It's Lit - An Investigation into one's perception of the distance of a light based on its position and frequency. | Chemical, Physical & Mathematical Sciences | Group - 3 Students |



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| Sligo | Jesus & Mary Secondary School | From the Margins to the Middle: A Mathematical Analysis of the Evolution of Rhythmic Cadence in Rap Music | Chemical, Physical & Mathematical Sciences | Individual |
| Tipperary | Coláiste Mhuire Co-Ed | Bioplastics: An alternative use for milk | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Tipperary | St Joseph's College | Two Keys | Technology | Group - 3 Students |
| Tipperary | St Joseph's College | First Responders Beacon | Technology | Group - 2 Students |
| Tipperary | Comeragh College | The Theorem of Polynominals | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Tipperary | Comeragh College | To investigate the reading habits of the new generation | Social and Behavioural Sciences | Group - 3 Students |
| Tipperary | St Joseph's College | Agri-Wired | Technology | Group - 3 Students |
| Tipperary | C.B.S. Thurles | Analysis of Disabled Parking Misuse | Social and Behavioural Sciences | Individual |
| Tipperary | Ursuline Secondary School | An Automated RFID Dispensing Unit | Technology | Group - 3 Students |



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| Tipperary | Presentation Secondary School | Measuring the 'happiness' of teenage girls | Social and Behavioural Sciences | Group - 3 Students |
| Tipperary | Ursuline Secondary School | Sexual consent: A study of teenagers understanding, knowledge and views and a proposal for the Dept of Education | Social and Behavioural Sciences | Group - 2 Students |
| Tipperary | Cistercian College | Could music choice influence athletic performance? | Social and Behavioural Sciences | Group - 3 Students |
| Tipperary | St Joseph's College | Double Under Counter | Technology | Group - 3 Students |
| Tipperary | Presentation Secondary School | To determine if the current RSE course adequately prepares young people for changing health and social issues in Ireland. | Social and Behavioural Sciences | Individual |
| Tipperary | Colaiste Phobáil Rós Cré | A Statistical analysis of Ireland's dependency and misuse of non- prescription codeine containing medicines. | Social and Behavioural Sciences | Group - 2 Students |
| Tipperary | C.B.S. Thurles | Developing a new Obstructive Sleep Apnoea prevention device | Technology | Group - 2 Students |
| Tyrone | St Ciaran's High School | Smart Trough | Technology | Group - 3 Students |



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| Tyrone | St Ciaran's High School | Sensory alarm system to indicate that a farmworker has been overcome by slurry gas. | Technology | Group - 3 Students |
| Tyrone | Holy Cross College | Categorising CVD patient risk using machine learning tools | Chemical, Physical & Mathematical Sciences | Individual |
| Waterford | Ard Scoil Na Mara | A Light Meal: An investigation of the impact of varying light levels on plant growth for sustainable vertical farming | Biological and Ecological | Individual |
| Waterford | Ard Scoil Na Mara | Cervical Check and the HPV Vaccine - Information, Opinion and Fake News. | Social and Behavioural Sciences | Group - 2 Students |
| Waterford | Blackwater Community School | The Averageness Phenomenon | Social and Behavioural Sciences | Group - 2 Students |
| Waterford | Gaelcholáiste Phort Láirge | Cad atá muid ag ól? An mbíonn tionchar ar an fad a thaistlíonn d'uisce ar a chaighdeán agus do sláinte? | Biological and Ecological | Group - 2 Students |
| Waterford | St Angela's | High Intensity Interval Training | Biological and Ecological | Individual |
| Waterford | St Angela's | To investigate which hurley length is optimal for use in the modern game. | Chemical, Physical & Mathematical Sciences | Group - 2 Students |



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| Westmeath | Athlone Community College | Smart Electric Fence | Chemical, Physical & Mathematical Sciences | Group - 3 Students |
| Westmeath | Athlone Community College | Knock, Knock – Who Is there? An Artificial Neural Network Autoencoder Design and Implementation to Detect When an Internet Connected Toy Has Been Hacked | Technology | Group - 2 Students |
| Westmeath | Meán Scoil an Chlochair | Does inequality in sport affect women’s attitude towards the game? | Social and Behavioural Sciences | Group - 3 Students |
| Westmeath | Athlone Community College | The Music Memory Maestro- An Alexa Skill that matches text to be memorised to music. | Technology | Group - 3 Students |
| Westmeath | Meán Scoil an Chlochair | Do people take care of objects better if they anthropomorphise them? | Social and Behavioural Sciences | Individual |
| Westmeath | Our Lady’s Bower | Track that Crash | Technology | Group - 2 Students |
| Westmeath | Colaiste Mhuire | The Development of an Active Road Stud that can Visually Alert Road Users to Traffic Levels | Technology | Individual |



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| Westmeath | Meán Scoil an Chlochair | Attendance in a co-educational school or single sex school, which has the most significant impact on the anxiety levels of teenage girls? | Social and Behavioural Sciences | Group - 2 Students |
| Westmeath | Moate Community School | Purification to save the nation | Biological and Ecological | Group - 3 Students |
| Westmeath | Colaiste Mhuire | W.F.F: The water, fire and farm safety mobile and desktop application. | Technology | Group - 2 Students |
| Westmeath | Colaiste Mhuire | CommunicAID: An Application to Enhance Patient/Specialist Relations and Simplify Patient's Day-to-Day Tasks. | Technology | Group - 3 Students |
| Westmeath | Colaiste Mhuire | An Investigation into the effects of global warming on floods in Ireland and creating an alert system for people living in areas that are prone to flooding | Social and Behavioural Sciences | Group - 2 Students |
| Westmeath | Athlone Community College | Anaphylaxis-We Need A Reaction! | Social and Behavioural Sciences | Group - 3 Students |
| Westmeath | Colaiste Mhuire | Dairy Farm, Methane Harm | Biological and Ecological | Group - 2 Students |
| Westmeath | Colaiste Mhuire | Interactive First Aid Kit | Technology | Group - 3 Students |



Qualified Projects 2019

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| School County | School Name | Title | Category | Project Type |
|---------------|------------------------------|---|--|--------------------|
| Westmeath | Moate Community School | Sphagnum Re-growth; A Solution to a Blazing Concern? | Biological and Ecological | Group - 2 Students |
| Westmeath | Our Lady's Bower | Sphagnum: A Super Solution for Superbugs. | Biological and Ecological | Group - 2 Students |
| Westmeath | Marist College | Can Recycled Bricks Solve Housing Crisis? | Chemical, Physical & Mathematical Sciences | Individual |
| Westmeath | Our Lady's Bower | Move Over Manuka! – Irish Heather Honey means BuZZness | Biological and Ecological | Group - 2 Students |
| Westmeath | Moate Community School | Electric Fence Low Voltage Alert System | Technology | Group - 2 Students |
| Westmeath | St Joseph's Secondary School | Fire locating device | Technology | Group - 2 Students |
| Westmeath | St Joseph's Secondary School | Investigation to prevent fungal diseases using natural anti-fungal plants | Biological and Ecological | Group - 2 Students |
| Westmeath | Colaiste Mhuire | Recession Calculator: A study into the effects and causes of past and recent recessions | Social and Behavioural Sciences | Group - 2 Students |
| Westmeath | Colaiste Mhuire | Freshgraze: An automated cloud controlled moving fence for livestock | Technology | Individual |
| Westmeath | Our Lady's Bower | Lamb Watch | Technology | Group - 3 Students |



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|---------------|-------------------------|---|--|--------------------|
| Wexford | Meanscoil Gharman | Ag Fiosrú na n-Éifeachtaí a bhainfeadh le teorann crua ar Phoblacht na hÉireann. Investigating the effects of a hard border on Ireland's economy, agriculture and future generations. | Social and Behavioural Sciences | Group - 3 Students |
| Wexford | Creagh College | Solar Powered Homeless Sleeping Mat | Technology | Group - 2 Students |
| Wexford | Meanscoil Gharman | An bhfuil Damseoirí Gaelacha níos corpacmhainneachí ná Imreoirí CLG | Biological and Ecological | Individual |
| Wexford | Creagh College | Quantifying the antioxidant levels in wheatgrass juice to determine its suitability for preventing diseases caused by free radicals produced in the body. | Chemical, Physical & Mathematical Sciences | Group - 2 Students |
| Wexford | F.C.J. Secondary School | Madralert - A Slurry Gas Alarm for Dogs | Technology | Individual |
| Wexford | Meanscoil Gharman | Investigating the biological benefits of E.M. probiotics in agriculture | Biological and Ecological | Group - 2 Students |
| Wexford | Meanscoil Gharman | Airgeadra-cripteach An domhan eacnamaíoch bun os cionn! | Technology | Group - 3 Students |



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| Wicklow | Avondale Community College | An Eggshell Filtration System to Remove Pollutants from Water | Chemical, Physical & Mathematical Sciences | Individual |
| Wicklow | Presentation College | Blue is the New Green: The feasibility and possible application of water harvesting in Irish schools | Biological and Ecological | Group - 2 Students |
| Wicklow | Coláiste Chill Mhantain | Will hydroxymethylfurfuraldehyde (HMF) Levels in Honey Affect: 1) The Quality of Honey and 2) Effects of the Honey on Human Health | Biological and Ecological | Individual |
| Wicklow | St Marys College | Rounding up the bees: Is there Roundup in our honey? | Biological and Ecological | Group - 2 Students |
| Wicklow | St Marys College | Technology Becoming Smarter Humans Becoming Dumber - Is it the reversal of The Flynn Effect? | Social and Behavioural Sciences | Individual |
| Wicklow | Avondale Community College | Are dairy farmers wasting money on footbath solutions? | Biological and Ecological | Individual |
| Wicklow | St Gerard's | The Mystery of the Killiney Beach Amber | Chemical, Physical & Mathematical Sciences | Individual |
| Wicklow | Dominican College | Statistical analysis of changing attitudes towards male workers in early years childcare/education | Social and Behavioural Sciences | Group - 2 Students |



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| Wicklow | St Gerard's | To investigate the incidence and impact of microplastics on Irish farms | Biological and Ecological | Individual |
| Wicklow | St Marys College | Want a Safe Car? WHEEL Get Right on That! | Technology | Group - 3 Students |
| Wicklow | St Marys College | How to Build Happiness | Social and Behavioural Sciences | Individual |
| Wicklow | St Marys College | Children with autism cannot wait | Biological and Ecological | Individual |
| Wicklow | Gaelcholaiste Na Mara | Aithníonn ciotóg ciotóg eile | Social and Behavioural Sciences | Group - 3 Students |