



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Antrim	South Eastern Regional College - Lisburn	Pulmonary Illness Associated with Vape Extract	Biological & Ecological	Individual
Antrim	St Dominic's High School	The Invalidation of Emotion Through Toxic Positivity and its Long-term Effect on Mental Health	Health & Wellbeing	Individual
Carlow	Tullow Community School	"If you repeat a lie often enough, people will believe it." - An analysis of the correlation between age and how we perceive online misinformation.	Social & Behavioural Sciences	Group
Carlow	Tyndall College	Is TikTok the next pandemic?	Health & Wellbeing	Group
Cavan	Breifne College	distillation engine	Technology	Group
Cavan	Coláiste Dún an Rí	How Development Squads Affect the Mental Health of Teenagers.	Health & Wellbeing	Group
Cavan	Coláiste Dún an Rí	What are you drinking?	Biological & Ecological	Individual
Cavan	Loreto College	The Pink Tax- Wealth over Women	Social & Behavioural Sciences	Group
Cavan	Loreto College	'From Grave to Blaze: Uncovering the Cremation Craze'	Social & Behavioural Sciences	Group
Cavan	St Bricin's College	Navigating the flood: Assessing the Effects of Water Stress Priming on Plant Stress Tolerance	Biological & Ecological	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cavan	St Bricin's College	Evaluating the Impact of Hospital Visibility and Scholarly Contributions - An Intra-Country and Inter-Country Comparison.	Social & Behavioural Sciences	Group
Cavan	Virginia College	Mismatched Medics: An analysis of the inadequacy of skin-color-matching plasters in promoting inclusiveness	Health & Wellbeing	Group
Cavan	Virginia College	In the Eyes of the Beholder: An investigation into testing the Accuracy of eyewitness Testimonies in criminal convictions.	Social & Behavioural Sciences	Group
Cavan	Virginia College	The Green Goddess Experiment : A comprehensive examination on exploring optimal components for an Eco-friendly Dry Shampoo.	Chemical, Physical & Mathematical Sciences	Group
Cavan	Virginia College	You had me at Aloe ! An investigation into the antifungal efficacy of Aloe vera in vitro and its use as a treatment to maintain post harvest table Berry quality	Biological & Ecological	Group
Cavan	Virginia College	Different Club Different Game	Chemical, Physical & Mathematical Sciences	Group
Cavan	Coláiste Dún an Rí	An investigated study into the many different usages of photocatalysis	Chemical, Physical & Mathematical Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Clare	Coláiste Mhuire	Anterior Cruciate Ligament Injuries in Sport	Health & Wellbeing	Group
Clare	Ennistymon Community School	Power Routing: Investigation and Optimisation	Chemical, Physical & Mathematical Sciences	Individual
Clare	Mary Immaculate Secondary School	Short term changes in the pH, salinity, temperature and DO of rockpools in Clare and its relationship to the biodiversity in those rockpools	Biological & Ecological	Group
Clare	Mary Immaculate Secondary School	An examination of sand hopper (<i>Talitrus saltator</i>) populations on three shores in north Clare	Biological & Ecological	Group
Clare	Mary Immaculate Secondary School	An investigation into the covering behaviour of sea urchins (<i>Paracentrotus lividus</i>)	Biological & Ecological	Group
Clare	Mary Immaculate Secondary School	Does water temperature affect the righting ability of two species of starfish (<i>Asterias rubens</i> and <i>Asterina gibbosa</i>)?	Biological & Ecological	Group
Clare	Mary Immaculate Secondary School	Is this the end of Ash?	Biological & Ecological	Group
Clare	Mary Immaculate Secondary School	An investigation in differences in the morphology of <i>Succisa pratensis</i> growing in different parts of the Burren	Biological & Ecological	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Clare	Mary Immaculate Secondary School	Does the geological substrate have an effect on the trophic state of lakes in North Clare?	Biological & Ecological	Group
Clare	Mary Immaculate Secondary School	An Investigation into the Relationship Between Precipitation and Water Levels in Turloughs in the Burren	Chemical, Physical & Mathematical Sciences	Individual
Clare	Mary Immaculate Secondary School	Can plyometric exercises improve the comfort of movement for athletes and an athlete's performance overall?	Health & Wellbeing	Individual
Clare	Mary Immaculate Secondary School	Does the run-off from land into the sea affect the amount of Ulva lactuca	Biological & Ecological	Group
Clare	Mary Immaculate Secondary School	No more nasty surprises; period!	Technology	Individual
Clare	Mary Immaculate Secondary School	Can Mental Health and Wellbeing Systems be Improved on in Irish Post primary Schools	Health & Wellbeing	Individual
Clare	Mary Immaculate Secondary School	A Machine Learning Approach To Organ Donor Designation	Technology	Individual
Clare	Mary Immaculate Secondary School	Can biochar be used in the construction industry to reduce carbon emissions	Chemical, Physical & Mathematical Sciences	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Clare	St John Bosco Community College	A Statistical Analysis of the Knowledge of Women's Health and the Status of the Women's Healthcare Services in Ireland	Health & Wellbeing	Group
Cork	Árdscoil Uí Urmoltaigh	More Mess Less Stress?	Social & Behavioural Sciences	Group
Cork	Árdscoil Uí Urmoltaigh	Assessing Potential Differences in Lung Capacity and Physical Attributes between students who are on a school GAA team in comparison to those who are not.	Biological & Ecological	Group
Cork	Ballincollig Community School	An investigagasting into the impact of the covid 19 on hyenine ethic	Social & Behavioural Sciences	Group
Cork	Ballincollig Community School	The development of internalized stereotypes based on appearance in adolescence due to environment	Social & Behavioural Sciences	Group
Cork	Bandon Grammar School	How Random is Chess	Chemical, Physical & Mathematical Sciences	Individual
Cork	Bandon Grammar School	Beyond numbers: The textual challenge of Junior Cycle maths for Dyslexic Students	Social & Behavioural Sciences	Individual
Cork	Bandon Grammar School	Investigating The Gender Gap In Reading	Social & Behavioural Sciences	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	Boherbue Comprehensive School	Calming cushions	Health & Wellbeing	Group
Cork	Boherbue Comprehensive School	The Statistical Analysis of the Optimal Thoroughbred percentage in elite event horses.	Biological & Ecological	Individual
Cork	Boherbue Comprehensive School	The changing face of Irish agriculture	Biological & Ecological	Group
Cork	Christ King Girls' Secondary School	"How Social Robots can revolutionize Psychology practice"	Social & Behavioural Sciences	Group
Cork	Christ King Girls' Secondary School	Are cities making us miserable? -The psychological impact of living in a city with poor urban design - Cork City	Social & Behavioural Sciences	Individual
Cork	Christ King Girls' Secondary School	Academic Pathways Advisor App (AP2A) for Senior Cycle Students	Technology	Individual
Cork	Christian Brothers College	Beyond the H-PAT: Advancing Medical Competency	Social & Behavioural Sciences	Group
Cork	Christian Brothers College	The Effect of Household Substances on Yeast	Biological & Ecological	Individual
Cork	Christian Brothers College	Is Chlorine harming the lungs of indoor pool Lifeguards? An Investigation into the air quality of indoor pools and the effects on lifeguards lungs	Biological & Ecological	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	Christian Brothers College	The Fight against Blight!	Biological & Ecological	Individual
Cork	Colaiste An Phiarsaigh	Cén éifeacht a bfuil ar aclaíocht ar do cuid codhladh	Health & Wellbeing	Group
Cork	Colaiste An Phiarsaigh	An calc is fearr i gcomhair dreapadóirí	Chemical, Physical & Mathematical Sciences	Group
Cork	Colaiste An Phiarsaigh	An bíonn tioncar ar na rialcha sa bhaile ar d'iompar.	Social & Behavioural Sciences	Group
Cork	Colaiste An Phiarsaigh	Conas a athrón dath ár mbia conas a bhlasann sé.	Social & Behavioural Sciences	Group
Cork	Colaiste An Phiarsaigh	Conas a cuirfidh steiréaplátaí diffriocht ar shaol leanaí?	Social & Behavioural Sciences	Group
Cork	Colaiste An Phiarsaigh	Tástáil Baictéir ar Fón	Chemical, Physical & Mathematical Sciences	Group
Cork	Colaiste An Phiarsaigh	cad a dheanann fógra méan sóisialta	Social & Behavioural Sciences	Group
Cork	Colaiste An Phiarsaigh	Cé Mheád Bactéir Atá Ar Do Scuab Smideadh	Health & Wellbeing	Group
Cork	Colaiste An Phiarsaigh	Communicating Plants for Smart Water Conservation	Technology	Group
Cork	Coláiste Choilm	ChatGPT-Powered Child Grooming Detection App for Social Media	Technology	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	Coláiste Choilm	IoT Defender - A device to prevent botnet DDoS attacks using IoT devices	Technology	Individual
Cork	Coláiste Choilm	The Benefits of Fungi: How to Reduce Cigarette Ends in our country	Biological & Ecological	Group
Cork	Coláiste Choilm	Placebo Approach To Fibromyalgia	Health & Wellbeing	Individual
Cork	Coláiste Choilm	How Artificial Intelligence can help with food sustainability	Technology	Group
Cork	Coláiste Choilm	An investigation to identify PFAS Chemicals in regular and eco-toilet paper brands	Chemical, Physical & Mathematical Sciences	Group
Cork	Coláiste Choilm	"Parenting with Arthritis; Designing a baby carrier for child carers suffering with Arthritis"	Technology	Group
Cork	Coláiste Choilm	Lámh AI Translator	Technology	Group
Cork	Coláiste Choilm	Do Male and Female Bodies recover at the same pace after physical activities	Biological & Ecological	Group
Cork	Coláiste Choilm	The Effects Of Decision Fatigue From Social Media On The Exam Performances Of Teenagers	Social & Behavioural Sciences	Group
Cork	Coláiste Choilm	How different wall materials effect the sound of an echo	Chemical, Physical & Mathematical Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	Coláiste Choilm	Is the movement competence element of physical literacy related to general happiness?	Biological & Ecological	Group
Cork	Coláiste Choilm	An investigation into the effects of peat cutting on the hydrology and the CO2 sequestration of a blanket bog.	Biological & Ecological	Group
Cork	Coláiste Choilm	A Comparative Study of Multitasking Abilities in Males and Females	Social & Behavioural Sciences	Group
Cork	Coláiste Choilm	A Comparative Soil Analysis on the Effects and Consequences of the use of Chemical Fertilisers	Biological & Ecological	Group
Cork	Coláiste Choilm	Investigating the effects of different breathing techniques on stress levels and mental wellbeing	Health & Wellbeing	Group
Cork	Coláiste Choilm	Do Online Reviews Matter? A Gender Based Analysis	Social & Behavioural Sciences	Group
Cork	Coláiste Choilm	Assessment of the Antimicrobial Effects of Bacterial Probiotic strains isolated from Various Natural Origins Against Bacterial Species.	Biological & Ecological	Group
Cork	Coláiste Choilm	Academic Escape	Social & Behavioural Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	Coláiste Choilm	Delivering Science through Storytelling : Is this the Key to a Successful Vaccine Campaign?	Social & Behavioural Sciences	Group
Cork	Coláiste Choilm	Pink Tax: Investigating the prevalence, awareness and implications of 'pink tax' on health and beauty products and services.	Social & Behavioural Sciences	Group
Cork	Coláiste Daibhéid	An chóir cruth bróga reatha a athrú?	Health & Wellbeing	Group
Cork	Coláiste Fionnchua	A study of the benefits gained by adopting a rescue dog	Health & Wellbeing	Group
Cork	Coláiste Fionnchua	Women in Agriculture	Social & Behavioural Sciences	Group
Cork	Coláiste Fionnchua	An investigation into a new taxonomy of exoplanets	Chemical, Physical & Mathematical Sciences	Group
Cork	Colaiste Muire	Bee Informed: A continued investigation into seasonal patterns of Nosema disease in Cork County honeybee colonies.	Biological & Ecological	Group
Cork	Colaiste Muire	Biodegradation, an environmentally friendly solution to microplastic accumulation, but how do we quantify its efficiency?	Biological & Ecological	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	Colaiste Muire	An Analysis of the Impact of Extreme Traffic Congestion on Local Air Quality and Commuters' Daily Lives	Chemical, Physical & Mathematical Sciences	Individual
Cork	Colaiste Muire	A letter of concern from the residents of Bikini Bottom	Biological & Ecological	Individual
Cork	Coláiste na Toirbhirte	Happy Herds are Healthy Herds	Biological & Ecological	Individual
Cork	Coláiste Pobail Bheanntaí	Bystander Culture	Social & Behavioural Sciences	Group
Cork	Colaiste Treasa	An investigation into the attitude of Irish consumers towards food preservation by irradiation with the view of identifying and addressing prevailing misconceptions	Social & Behavioural Sciences	Group
Cork	Colaiste Treasa	Piercings the Good, the Bad and the Ugly	Health & Wellbeing	Group
Cork	Colaiste Treasa	An investigation into tillage methods and their affects on biodiversity and environmental sustainability	Biological & Ecological	Group
Cork	Colaiste Treasa	To investigate both macro & micro-stresses imposed by regulatory compliance and its effect on farmers' wellbeing	Health & Wellbeing	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	Colaiste Treasa	An Investigation into the use of subliminal messages and it's influence on the perceptions and attitudes of people.	Social & Behavioural Sciences	Individual
Cork	Davis College	Smart embedded clothing for the Visually Impaired	Technology	Group
Cork	Davis College	Dual purpose glasses	Technology	Group
Cork	De La Salle College	The Evolution of Celebrated Cinema: An Investigation into Why Certain Critically Acclaimed Movies from the Last 100 Years are So Highly Praised	Social & Behavioural Sciences	Individual
Cork	Gaelcholáiste Charraig Ui Leighin	Níos mó Fuacht, Níos mó Cumhacht?	Chemical, Physical & Mathematical Sciences	Individual
Cork	Gaelcholáiste Charraig Ui Leighin	Fiosrú ar an tionchar atá ag diúscairt dramhaíola ar uisce	Biological & Ecological	Group
Cork	Gaelcholáiste Charraig Ui Leighin	An tionchar atá ag do áit sa chlann ar do scilleanna cumarsáide agus conas gur féidir le tuismitheoirí tacú lena pháistí dá bharr.	Social & Behavioural Sciences	Group
Cork	Gaelcholáiste Mhuire	An Tionchar agus Leigheasacháin do Grabhóig Rubar sa Timpeallacht	Biological & Ecological	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	Glanmire Community College	Solar Safe	Technology	Group
Cork	Glanmire Community College	Driven by Data	Social & Behavioural Sciences	Group
Cork	Glanmire Community College	The Changing Trends of Smoking Associated Litter on the Cork Coast: A Quantitative Analysis	Biological & Ecological	Group
Cork	Glanmire Community College	Effects of chess playing on the cognitive ability of elderly people	Social & Behavioural Sciences	Individual
Cork	Glanmire Community College	Assessing the Proportions of Intrinsically Motivated Versus Extrinsically Motivated Students	Social & Behavioural Sciences	Group
Cork	Kinsale Community School	The Effect on Health and Wellbeing of Climate Change, Awareness Amongst People Living in Ireland and their Level of Engagement with Climate Change Action - A Statistical Analysis	Health & Wellbeing	Individual
Cork	Kinsale Community School	A Radiology Tool Harnessing Neural Networks for Early Diagnosis from CT scans and MRIs	Technology	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	Kinsale Community School	A Statistical analysis on how biodegradable micro-plastics affect the DNA genetic code and overall structure of plants from making soil infertile	Biological & Ecological	Group
Cork	Kinsale Community School	Assessment of the impact of a skill specific plyometrics plan on a juvenile GAA team	Health & Wellbeing	Individual
Cork	Kinsale Community School	Glow or go :assessing sunscreen efficiency in different foundations?	Chemical, Physical & Mathematical Sciences	Group
Cork	Kinsale Community School	An analysis on how different support structures impacts adolescent success in sport	Social & Behavioural Sciences	Group
Cork	Kinsale Community School	An investigation into why women's sport takes runner up place in the eyes of spectators compared to men's sport.	Social & Behavioural Sciences	Group
Cork	Kinsale Community School	Wound Protection Cage	Technology	Group
Cork	Kinsale Community School	SkySci: AI-Powered Environmental Monitoring and Photography Drone	Technology	Individual
Cork	Kinsale Community School	Imaginary Friendships	Social & Behavioural Sciences	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	Loreto Secondary School	Quantum Computing in the Renewable Energy Industry	Technology	Individual
Cork	Loreto Secondary School	Female adolescents perceptions on the dangers of acrylic nail extensions and less harmful alternatives	Social & Behavioural Sciences	Group
Cork	Millstreet Community School	Statistical Analysis of the benefits, or not of mandatory driving lessons on road traffic fatalities	Social & Behavioural Sciences	Group
Cork	Millstreet Community School	Pit or Bales... Which is more sustainable?	Biological & Ecological	Group
Cork	Mount St Michael	Design of a fruit bowl including features that reduce decomposition	Technology	Group
Cork	Mount St Michael	Honey's medicinal properties and infection fighting abilities	Biological & Ecological	Group
Cork	Pobalscoil na Tríonóide	MARCUSBot - Mechanical Axial Rotator Cleaning Up Seashores	Technology	Group
Cork	Regina Mundi College	A statistical investigation into how positive, negative and neutral verbal reinforcement influences performance of teenage girls in physical activity	Social & Behavioural Sciences	Group
Cork	Sacred Heart Secondary School	Blue Light Glasses, True or Rubbish	Health & Wellbeing	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	Sacred Heart Secondary School	Honey Its Fake!	Biological & Ecological	Group
Cork	Schull Community College	Title. Sustainability, Climate and Equity – When it comes to food, are teenagers prepared to put their money where their mouth is?	Social & Behavioural Sciences	Individual
Cork	Scoil Mhuire gan Smal	ConnectedRoads: Bridging the Vehicle Communication Gap	Technology	Group
Cork	Scoil Mhuire gan Smal	What physical changes will occur in humans due to technology	Technology	Group
Cork	Skibbereen Community School	'Elderly Forgotten?'- Digital exclusion in the Information Age and the Rising Grey Digital Divide.	Social & Behavioural Sciences	Group
Cork	Skibbereen Community School	Let's Grade Our First Aid	Social & Behavioural Sciences	Group
Cork	St Aloysius College	An investigation into strategies for repurposing waste heat energy produced in Carrigtwohill IDA park to improve energy efficiency.	Technology	Group
Cork	St Aloysius College	To design and develop a filter for household chimneys composed of minerals to reduce carbon dioxide emissions	Chemical, Physical & Mathematical Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	St Aloysius School	An Investigation Into How Different Fibre Surfaces in Indoor Horse Riding Arenas Absorb Impact from Falls	Chemical, Physical & Mathematical Sciences	Group
Cork	St Aloysius School	An Investigation Into How Various Types of Rope Degrade in Various Types of Water	Chemical, Physical & Mathematical Sciences	Group
Cork	St Mary's High School	Does Our Generation Have a Shorter Attention Span Than Previous Generations?	Social & Behavioural Sciences	Group
Cork	St Mary's High School	Are air-fryers really as healthy as we think?	Chemical, Physical & Mathematical Sciences	Group
Cork	St Mary's Secondary School Macroom	How equine therapy increases the mood of people with disabilities	Biological & Ecological	Group
Cork	St Mary's Secondary School Macroom	An investigation into whether particular phobias are more common among certain age and gender groups.	Social & Behavioural Sciences	Group
Cork	St Mary's Secondary School Macroom	Are the younger generation aware of the challenges people with ASD face on a daily basis?	Social & Behavioural Sciences	Group
Cork	St Mary's Secondary School Macroom	Wilder farms-An investigation into farmers attitudes towards rewilding and reforestation of farmland in Ireland	Social & Behavioural Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	St Mary's Secondary School Macroom	An Analysis: The Way In Which Social Media Platforms Interferes With One's Self Image/Mental Health	Health & Wellbeing	Group
Cork	St Mary's Secondary School Macroom	An analysis of Irish people's attitudes towards electric cars and Ireland's preparedness to go fully electric.	Social & Behavioural Sciences	Group
Cork	St Mary's Secondary School Macroom	"I can't wait for the bypass!" - An investigation into whether the N22 Baile Bhuirne-Macroom bypass really benefits the locals of Macroom.	Social & Behavioural Sciences	Group
Cork	St Mary's Secondary School Macroom	An investigation into the effect of Artificial Intelligence Aids on learning achievements, creativity, and innovative thinking in Irish secondary school students.	Social & Behavioural Sciences	Individual
Cork	St Mary's Secondary School Macroom	Investigating what works to support family carers of children with disabilities.	Health & Wellbeing	Group
Cork	St Mary's Secondary School Macroom	Why should Snapchat terrify you?	Social & Behavioural Sciences	Group
Cork	St Mary's Secondary School Macroom	"Only child or lonely child?" An investigation into societal views of one child families.	Social & Behavioural Sciences	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	St Mary's Secondary School Mallow	Cultivating Single-Celled Nutrient Sources to Sustain Astronauts on Long Duration Space Missions and Engineering and Testing a Tubular Bioreactor System	Biological & Ecological	Group
Cork	St Mary's Secondary School Mallow	Assessing the Presence of White-Clawed Crayfish (<i>Austropotamobius pallipes</i>) in the Blackwater catchment area of Mallow using Environmental DNA Analysis and the identification of possible Ark Sites.	Biological & Ecological	Individual
Cork	St Mary's Secondary School Mallow	The Development of Wearable Anti-Drowning Technology with Automated Flotation System and Data Collection Technology.	Technology	Group
Cork	St Mary's Secondary School Mallow	An Investigation into the Mathematical Relationship Between Plant Biomass and Leaf Surface Area, as well as the Effects of Simulated Insect Herbivory on Plant Biomass	Biological & Ecological	Group
Cork	St Peter's Community School	Just One Leg to Stand On: Do varying weather conditions affect the energy conservation of roosting birds?	Biological & Ecological	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	St. Brogan's College, Bandon	The Plant Based Truth	Social & Behavioural Sciences	Group
Cork	St. Brogan's College, Bandon	How safe are our Irish roads?	Social & Behavioural Sciences	Group
Cork	St. Brogan's College, Bandon	To investigate school experiences of transgender and cisgender students in Irish secondary schools	Social & Behavioural Sciences	Individual
Cork	St. Brogan's College, Bandon	A 4-Stage Advancement Towards Direct Air Capture	Chemical, Physical & Mathematical Sciences	Individual
Cork	St. Brogan's College, Bandon	You're Pulling My Muscle!	Health & Wellbeing	Group
Cork	Bandon Grammar School	Is it necessary for people to retake their driving test as they get older?	Social & Behavioural Sciences	Group
Cork	Bandon Grammar School	How Noiseless Are Noiseless Pickups	Technology	Individual
Cork	Kinsale Community School	can fungal mycelium diminish the amount of pesticides in soil	Biological & Ecological	Group
Cork	Clonakilty Community College	The Impact of School Traffic on Air Pollution	Chemical, Physical & Mathematical Sciences	Group
Cork	Clonakilty Community College	An Investigation into the Presence of Micro-plastics in Animal Feed	Biological & Ecological	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Cork	Clonakilty Community College	Digital Detox! Are the health benefits real?	Health & Wellbeing	Group
Cork	Clonakilty Community College	Investigation Into the Effects Gardening Has On Human Health	Health & Wellbeing	Group
Cork	Clonakilty Community College	Design and Development of an Improved Kayak Paddle	Technology	Group
Derry-Londonderry	St Cecilia's College	Chronic traumatic encephalopathy (CTE). An investigation of the impact of different balls on a model of the brain	Chemical, Physical & Mathematical Sciences	Group
Derry-Londonderry	St Cecilia's College	Truth or Myth: Can tinsel and other materials and substances mess with our Wi-Fi signals?	Chemical, Physical & Mathematical Sciences	Group
Derry-Londonderry	St Mary's College	The development of natural oil based sunscreens part II	Chemical, Physical & Mathematical Sciences	Individual
Derry-Londonderry	St Mary's College	Investigating methods for reclaiming lithium from used batteries	Chemical, Physical & Mathematical Sciences	Group
Derry-Londonderry	St Mary's College	Investigating the effect of mosquito repellents on the efficacy of sunscreens	Chemical, Physical & Mathematical Sciences	Group
Derry-Londonderry	St Mary's College	Investigating hydrogels as a drug delivery system part II	Chemical, Physical & Mathematical Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Donegal	Abbey Vocational School	Which is the most 'essential' essential oil at preventing the growth of fungal mould on citrus fruits	Biological & Ecological	Group
Donegal	Abbey Vocational School	An investigation into the effects of videogames and team sports on the understanding of concepts of game theory and problem-solving in students.	Social & Behavioural Sciences	Individual
Donegal	Coláiste Ailigh	Imscrúdú ar éifeachtúlacht Olann gharbh mar inslitheoir tí ailtéarnach.	Chemical, Physical & Mathematical Sciences	Group
Donegal	Coláiste Ailigh	Staidéar ar éifeacht feirmeoireacha, tithíochta agus tionsclaíochta ar bhithéagsúlacht inbheartabrach abhainn Leanainn	Biological & Ecological	Group
Donegal	Coláiste Cholmcille	The gut microbiome, what do YOU know?	Social & Behavioural Sciences	Individual
Donegal	Loreto Community School	Quantitative Analysis of Radon in Donegal	Chemical, Physical & Mathematical Sciences	Group
Donegal	Loreto Community School	Statistical analysis of a screen free school on students health	Chemical, Physical & Mathematical Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Donegal	Loreto Community School	Mapping the microcosm: A parasite atlas of fecal egg counts in Donegal	Biological & Ecological	Group
Donegal	Loreto Community School	An investigation into the number of Garda Recruits in Loreto Community School, Milford Co Donegal	Health & Wellbeing	Group
Donegal	Loreto Community School	Analysis of Electrolytes in Hydration Drinks	Chemical, Physical & Mathematical Sciences	Group
Donegal	Loreto Secondary School	Coastal Crumbling	Chemical, Physical & Mathematical Sciences	Group
Donegal	Pobalscoil Ghaoth Dobhair	Cé mhéad leictreachas is féidir le roth uisce simplí a ghiniúint, agus an bhfuil sé go leor chun roinnt soilse a chumhacht?	Technology	Group
Donegal	St Columba's Comprehensive School	Sweet Energy: A New Superfood Energy Pouch with health boosting attributes	Technology	Group
Down	South Eastern Regional College - Bangor Campus	Could Natural Antibacterial substances be effective enough to be developed to replace antibiotics?	Biological & Ecological	Individual
Down	St Colman's College	How does the mass of piezoelectric crystals effect the Voltage produced.	Chemical, Physical & Mathematical Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Down	St Colman's College	"Egg" citing Way To Treat Phosphate Run Off	Chemical, Physical & Mathematical Sciences	Group
Down	St Colman's College	What's the score?	Health & Wellbeing	Group
Dublin	Alexandra College	How have people's interest in school subjects changed over the past centuries, and what lies in 2050?	Social & Behavioural Sciences	Individual
Dublin	Ballinteer Community School	Less Fertiliser More Growth : A study into the growth rate of naturally grown onions vs. the use of Mycorrhizal and Algal Bio Fertilizers	Biological & Ecological	Group
Dublin	Ballinteer Community School	An investigation of teachers' ability to discern between assignments submitted by students' vs generated by A.I.	Social & Behavioural Sciences	Group
Dublin	Ballinteer Community School	Does the average weekly time spent playing videogames correlate to student's reaction time and visual memory skills.	Social & Behavioural Sciences	Group
Dublin	Blackrock College	Does the Wood that an Acoustic Guitar is Made of Affect the Sound of the Guitar?	Chemical, Physical & Mathematical Sciences	Group
Dublin	Blackrock College	The Physics of Table Tennis and how it Improves Your Hand Eye Co-Ordination and Reaction Speed.	Chemical, Physical & Mathematical Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Dublin	Castleknock College	'Student Security'- Assessing students' knowledge of cyber security through various surveys	Social & Behavioural Sciences	Group
Dublin	Christian Brothers, Synge St.	Generalisations of Marion Walter's Theorem	Chemical, Physical & Mathematical Sciences	Group
Dublin	Coláiste Choilm	Colour detector	Technology	Group
Dublin	Coláiste Eoin	SolasGlass Teicneolaíocht	Technology	Individual
Dublin	Coláiste Phádraig CBS	Developing Genetic Algorithms and Testing their Viability in place of Traditional Neural Networks	Technology	Individual
Dublin	Coláiste Phádraig CBS	Gravitational Lensing Simulation Using python	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Coláiste Phádraig CBS	B-Well	Health & Wellbeing	Group
Dublin	Gonzaga College	Solar Imaging for Societal Benefit: Forecasting and Protecting against Solar Storms.	Chemical, Physical & Mathematical Sciences	Group
Dublin	Gonzaga College	Optimised biodegradable plastic	Chemical, Physical & Mathematical Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Dublin	Gonzaga College	Exploring the Influence of Food-Based Inhibitors on Sucrase Activity to Enhance Endurance Performance	Biological & Ecological	Individual
Dublin	Gonzaga College	Are people able to differentiate an Artificial Intelligence-generated text from a human writing version?	Social & Behavioural Sciences	Group
Dublin	Gonzaga College	Are people able to differentiate an Artificial Intelligence-generated text from a human writing version?	Social & Behavioural Sciences	Group
Dublin	Gonzaga College	Correcting School Exams With AI	Technology	Individual
Dublin	Holy Faith Secondary School	Two Metes- Too Much, Too Little or Irrelevant	Health & Wellbeing	Group
Dublin	Holy Faith Secondary School	What Effect Does Blue Light Have On Our Sleep?	Social & Behavioural Sciences	Group
Dublin	Home School	Addressing Gender Disparities in Cardiovascular Disease Medication Efficacy and Adherence	Health & Wellbeing	Individual
Dublin	Kishoge Community College	A smart facial recognition system for medical settings	Technology	Group
Dublin	Le Cheile Secondary School	Docu-Tok.	Social & Behavioural Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Dublin	Loreto College	An investigation of the correlation between the price and quality of sanitary towels and the stigma behind the menstrual cycle.	Health & Wellbeing	Group
Dublin	Loreto College	Impact of Periods on Academic Life	Social & Behavioural Sciences	Group
Dublin	Loreto High School	Dublin's Wheelie Big Problem - Wheelchair Access in Ireland's Capital	Health & Wellbeing	Individual
Dublin	Loreto High School	SkillBuilderz	Health & Wellbeing	Group
Dublin	Loreto High School	Levelling the playing field	Health & Wellbeing	Group
Dublin	Loreto High School	Global warming sucks	Health & Wellbeing	Individual
Dublin	Loreto High School	Optimizing Traffic	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Loreto Secondary School	Let's Save the Common Ash! : A Continued Study.	Biological & Ecological	Group
Dublin	Malahide Community School	To reward or not to reward, that is the Question	Social & Behavioural Sciences	Individual
Dublin	Mount Anville Secondary School	Which is better for your dog, a toothbrush or a dental stick?	Biological & Ecological	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Dublin	Mount Anville Secondary School	An investigation into the effect of sound waves from various music genres on exercise performance.	Chemical, Physical & Mathematical Sciences	Group
Dublin	Mount Anville Secondary School	Mathematical Model for predicting performance in Cricket through Social, Behavioral, Skill and Market factors	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Mount Sackville Secondary School	A Statistical Analysis of the pH of Skincare Products and its Effects	Health & Wellbeing	Individual
Dublin	Mount Sackville Secondary School	An investigation into the affect of different caffinated drinks on heart rate and the possible consequences to heart health	Biological & Ecological	Individual
Dublin	Mount Sackville Secondary School	The Effects of IV Vitamin Drips/Shots on Skin and Overall Health	Health & Wellbeing	Group
Dublin	Mount Sackville Secondary School	Does neurodivergence in young people affect their vocational career choices?	Social & Behavioural Sciences	Individual
Dublin	Muckross Park College	Green Filters : Investigating the Water Filtering Capabilities of Plants	Biological & Ecological	Group
Dublin	Newpark Comprehensive School	Water Computer	Chemical, Physical & Mathematical Sciences	Individual
Dublin	Our Lady's Grove Secondary School	Espresso or Depresso?	Biological & Ecological	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Dublin	Our Ladys School	Grow Beyond Your Limits	Health & Wellbeing	Group
Dublin	Our Ladys School	Is Ireland Radioactive?	Chemical, Physical & Mathematical Sciences	Group
Dublin	Our Ladys School	Investigating the active components in gooseberry (nelli) extracts that are effective against antibiotic resistant bacteria found in skin diseases.	Biological & Ecological	Individual
Dublin	Presentation College	Gender bias in Lego products and its impact on stem skills development and confidence for teenagers interested in FIRST LEGO League robotics	Social & Behavioural Sciences	Group
Dublin	Rockford Manor Secondary School	Should we enjoin the joint?	Health & Wellbeing	Group
Dublin	Rockford Manor Secondary School	The -UV light- full way to recycle!: An Investigative Analysis into the Effect of UV Treatment and Mechanical Chopping on the Degradation of Compostable Polylactic Acid	Chemical, Physical & Mathematical Sciences	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Dublin	Rockford Manor Secondary School	Clean Streams: An investigation into the different techniques of water sanitisation and an evaluation into their levels of efficiency.	Chemical, Physical & Mathematical Sciences	Group
Dublin	Sandford Park School Ltd	A statistical analysis of factors that may have caused the onset of Juvenile Idiopathic Arthritis	Health & Wellbeing	Individual
Dublin	Sandymount Park Educate Together Secondary School	Panacea	Health & Wellbeing	Group
Dublin	Sandymount Park Educate Together Secondary School	Moss is going to the moon and the terrarium	Biological & Ecological	Individual
Dublin	Santa Sabina Dominican College	Mellow minutes	Health & Wellbeing	Group
Dublin	St Andrews College	Artificial Multimodal Intelligence for Alzheimer's Disease Diagnosis and Aetiology Analysis	Technology	Individual
Dublin	St Andrews College	PeacefulPals: Revolutionising Mental Health Wellness through AI-Guided Therapeutic Intervention	Health & Wellbeing	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Dublin	St Andrews College	There's Trouble in the Water: the effects of organic and synthetic fertilisers on plant growth and eutrophication.	Biological & Ecological	Group
Dublin	St Andrews College	Biofuel Bonanza: Fuelling a Greener Future	Chemical, Physical & Mathematical Sciences	Group
Dublin	St Andrews College	Music is in Everything: Mathematics of Music	Chemical, Physical & Mathematical Sciences	Individual
Dublin	St Joseph's Secondary School	Why do we trust?	Social & Behavioural Sciences	Group
Dublin	St Joseph's Secondary School	Fiacla: Developing a Diagnostic Tool to Aid Dental Professionals in the Identification of Oral Radiolucencies on Panoramic Dental Radiographs (OPGs)	Technology	Individual
Dublin	St Joseph's Secondary School	Does ambient ship sound impact normal communication and foraging behaviour of the Common Dolphin (<i>Delphinus delphis</i>)?	Biological & Ecological	Individual
Dublin	St Joseph's Secondary School	Waging War on the Killer Kiwi: <i>Project triangulatus</i>	Biological & Ecological	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Dublin	St Joseph's Secondary School	An investigation to raise the ecological profile of Kenure Woods	Biological & Ecological	Individual
Dublin	St Joseph's Secondary School	Fine-Tuning Talents: Linking Sheet Music and Motor Dexterity	Social & Behavioural Sciences	Individual
Dublin	St Joseph's Secondary School	Could a Waste Product, Shells from Locally Landed Shellfish, be used locally by Fruit and Vegetable Growers ?	Chemical, Physical & Mathematical Sciences	Group
Dublin	St Joseph's Secondary School	Electrolyte Efficacy: Is pink Himalayan salt the key to preventing muscle fatigue?	Health & Wellbeing	Group
Dublin	St Joseph's Secondary School	Unlocking the hidden Superpowers: Exploring the strengths of Dyslexia.	Social & Behavioural Sciences	Individual
Dublin	St Joseph's Secondary School	Go With The Flow	Chemical, Physical & Mathematical Sciences	Individual
Dublin	St Joseph's Secondary School	A measurement of the variance in uniformity of background radiation fields	Chemical, Physical & Mathematical Sciences	Individual
Dublin	St Joseph's Secondary School	Using machine learning (ML) and classification algorithms to detect brain tumours in MRI	Technology	Individual
Dublin	St Joseph's Secondary School	Comparative Analysis of Vertical Axis Wind Turbines vs. Horizontal Axis Wind Turbine Performance	Chemical, Physical & Mathematical Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Dublin	St Kevins College	SPF... The higher the number the better?	Biological & Ecological	Individual
Dublin	St Kevins College	Countertransference in a secondary educational setting	Social & Behavioural Sciences	Individual
Dublin	St Kilian's Deutsche Schule	DIY Genetic Engineering: Assessing Accessibility, Ethics, and Public Sentiments	Social & Behavioural Sciences	Group
Dublin	St Kilian's Deutsche Schule	The Math Behind Dobble	Chemical, Physical & Mathematical Sciences	Individual
Dublin	St Louis High School	MONEY! MONEY! MONEY!	Health & Wellbeing	Group
Dublin	St Louis High School	The 'curse of knowledge' – fact or fiction? An investigation into the influence of the curse of expertise cognitive bias on teachers and how to mitigate its effects.	Social & Behavioural Sciences	Individual
Dublin	St Mary's Secondary School Glasnevin	Safeswim (water quality app)	Technology	Group
Dublin	St Mary's Secondary School Glasnevin	Are our athletes prepared for their lives after sport? A systematic investigation into the physiological and mental well-being of top tier athletes at active and retirement levels in sport.	Health & Wellbeing	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Dublin	St. Colmcille's Community School	Haemochromatosis- why does Ireland have the highest rate in the world and what can we do about it?	Health & Wellbeing	Group
Dublin	St. Colmcille's Community School	Just How Filthy is Your Reusable Water Bottle?	Biological & Ecological	Group
Dublin	St. Tiernan's Community School	Misconceptions About ASD	Social & Behavioural Sciences	Group
Dublin	Stratford College	ISL (Irish Sign Language) Translator	Technology	Individual
Dublin	Stratford College	Helper 347	Health & Wellbeing	Individual
Dublin	Stratford College	Investigating if AI can help us make better batteries	Chemical, Physical & Mathematical Sciences	Group
Dublin	Stratford College	Sienna: Your Dynamic AI Voice Companion – Redefining Personal Assistance	Technology	Group
Dublin	Sutton Park School	"ParaFibreBuilds" - Strength in Construction	Chemical, Physical & Mathematical Sciences	Group
Dublin	Sutton Park School	Metastasis in Silico: Computational Models and Targeted Approaches	Biological & Ecological	Individual
Dublin	Sutton Park School	Measurement of the arch of the foot when running	Technology	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Dublin	Tallaght Community School	Mind the gap: unravelling student study habits	Social & Behavioural Sciences	Group
Dublin	The Institute of Education	Using generative adversarial networks to predict post rehabilitation effects on stroke victims	Technology	Group
Dublin	The Institute of Education	Zinc finger CCHC domain-containing protein 4 (ZCCHC4) overexpression and its effect on level of p53 responses in pancreatic cancer	Biological & Ecological	Individual
Dublin	The Institute of Education	How Quickly is Our Climate Changing? - A Study of Wind Trends in Ireland	Chemical, Physical & Mathematical Sciences	Group
Dublin	The Teresian School	Chillies as Gas, Liquid and Solid- Which state of its matter is the fastest/best at Killing Bacteria?	Biological & Ecological	Group
Dublin	Youthreach North Great Georges Street	Building Confidence Through Drama	Health & Wellbeing	Group
Galway	Coláiste Iognáid S.J.	Coach Me If You Can: A Study Into the Influence of Coaches on Athlete Motivation based on the Self-Determination Model	Health & Wellbeing	Group
Galway	Coláiste Muire Máthair	An analysis of the impact of Galway city on the water wellness of the Corrib River	Chemical, Physical & Mathematical Sciences	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Galway	Coláiste Muire Máthair	Running out of power. An analysis of battery efficiency	Technology	Group
Galway	Coláiste Muire Máthair	Sup-Herb Antioxidants!!	Health & Wellbeing	Group
Galway	Coláiste Muire Máthair	Bloodwork	Social & Behavioural Sciences	Group
Galway	Coláiste Muire Máthair	Proper Copper Business	Chemical, Physical & Mathematical Sciences	Group
Galway	Coláiste Muire Máthair	Feeling flat? An analysis of car tyre pressure and its safety implications.	Social & Behavioural Sciences	Group
Galway	Coláiste Muire Máthair	Digital Natives: Can we function without our phone?	Health & Wellbeing	Group
Galway	Coláiste Muire Máthair	Aspects of Obsessive Compulsive Disorder (OCD) and its overlap with superstition	Social & Behavioural Sciences	Individual
Galway	Coláiste Naomh Eoin	Eire at dul in aois - am don ghníomhaíocht!	Health & Wellbeing	Group
Galway	Coláiste Naomh Eoin	Cumhacht na dtonn ar Inis Meáin – Cén tionchar a bhíonn ag crios an bhrutha ar chreimeadh agus ar sil-leagan ar Inis Meáin?	Chemical, Physical & Mathematical Sciences	Group
Galway	Coláiste Naomh Eoin	Imscrudú a dhéanamh ar cumhacht taoide mar fhoínse fhéideartha fuinnimh ar Inis meáin	Chemical, Physical & Mathematical Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Galway	Dominican College	Detecting Neutrophils in the Tumour Microenvironment to try to detect Aggressive Breast Cancer and identify Therapeutic Effect	Biological & Ecological	Group
Galway	Dominican College	Man's best friend to the rescue: Using furry filters to improve Irish water quality	Biological & Ecological	Group
Galway	Dunmore Community School	'Lights Out' Investigating the Effect of Sleep Deprivation on Cognitive Function and Social Behaviour in Irish Adolescents	Social & Behavioural Sciences	Group
Galway	Galway City & Oranmore Educate Together Secondary School	What is the best AI chat bot	Social & Behavioural Sciences	Group
Galway	Glenamaddy Community School	Sleep Eight Feel Great	Social & Behavioural Sciences	Individual
Galway	Gort Community School	Mites Bee Gone! An Investigation of Irish Honey Bees and their natural control mechanisms of the parasitic Varroa mite	Biological & Ecological	Individual
Galway	High Cross College	Fungal Future: mushrooms and sustainability	Biological & Ecological	Individual
Galway	Jesus & Mary Secondary School	Are fashion trends impeding on our health?	Health & Wellbeing	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Galway	Jesus & Mary Secondary School	The Big Red Button Theory: Is Social Media Impacting This Generation's	Social & Behavioural Sciences	Group
Galway	Jesus & Mary Secondary School	Home-Economics, Healthy Eating, & Cooking For Yourself	Health & Wellbeing	Group
Galway	Presentation College Athenry	Seasonal Chemical Storage for Irish Solar Thermal Systems	Chemical, Physical & Mathematical Sciences	Individual
Galway	Presentation College Headford	Possible ways to prevent home printed insurance discs fading in the sun	Chemical, Physical & Mathematical Sciences	Group
Galway	Presentation College Headford	Biomaterials and Bioplastics. A focus towards a circular economy	Chemical, Physical & Mathematical Sciences	Individual
Galway	Presentation College Headford	How "green" are the local gaa clubs? Comparing the carbon footprints of our rural GAA clubs.	Biological & Ecological	Group
Galway	Presentation College Headford	MVHR unit in a "cold attic" - how efficient is it really?	Technology	Individual
Galway	Presentation College Headford	A system to remotely open cupboard doors for people with dissabilities	Technology	Individual
Galway	St Joseph's College	Where AI meets Brute Force	Technology	Individual
Kerry	C.B.S. Secondary School	A Mobility/Care Assister.	Technology	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Kerry	C.B.S. Secondary School	Enhancing Soil Health and Crop Growth Through Natural Soil Enhancers: A Comparative Study	Biological & Ecological	Group
Kerry	C.B.S. Secondary School	Designing and creating an AI platform which can aid in differentiating learning in mixed ability classrooms in a constructive learning setting	Technology	Group
Kerry	C.B.S. Secondary School	Slaying the Educational Leviathan: A Study on Transforming Education for Sustainable Global Citizenship	Social & Behavioural Sciences	Individual
Kerry	Community College Killorglin	Raising Awareness on Over the Counter (OTC) Medicine Misuse: A Comprehensive Educational Approach	Health & Wellbeing	Group
Kerry	Mercy Secondary School Mounthawk	How can the mechanics in origami be applied to modern engineering.	Chemical, Physical & Mathematical Sciences	Group
Kerry	Mercy Secondary School Mounthawk	Have We Gone WHEY Too Far?	Health & Wellbeing	Individual
Kerry	Mercy Secondary School Mounthawk	Investigating the public awareness of autism and attitudes toward ASD-related topics	Social & Behavioural Sciences	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Kerry	Mercy Secondary School Mounthawk	An investigation into which Probiotic is best for your Gut Health.	Health & Wellbeing	Group
Kerry	Mercy Secondary School Mounthawk	Using game theory to solve Catan	Chemical, Physical & Mathematical Sciences	Individual
Kerry	Mercy Secondary School Mounthawk	Defibrillator Dispatch Droid: The Future of Cardiac First Response	Technology	Individual
Kerry	Mercy Secondary School Mounthawk	Investigation Into the Health Benefits of Algal Pigments	Chemical, Physical & Mathematical Sciences	Individual
Kerry	Pobalscoil Inbhear Scéine	Radish Radiance	Biological & Ecological	Group
Kerry	Pobalscoil Inbhear Scéine	H2GO CARS	Chemical, Physical & Mathematical Sciences	Group
Kerry	Pobalscoil Inbhear Scéine	Re-Filament	Chemical, Physical & Mathematical Sciences	Group
Kerry	Pobalscoil Inbhear Scéine	Head The Ball: An Investigation into heading the ball and its impact on neurological health.	Health & Wellbeing	Group
Kerry	Pobalscoil Inbhear Scéine	An investigation into Microplastics in Fish in Kenmare Bay	Biological & Ecological	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Kerry	Pobalscoil Inbhear Scéine	Memory Matters: Investigating the Forgetting Curve	Biological & Ecological	Group
Kerry	Pobalscoil Inbhear Scéine	Suncream Science: Unmasking SPF Levels, Investigating Harmful Ingredients, and Crafting Custom Sun Protection	Health & Wellbeing	Group
Kerry	Pobalscoil Inbhear Scéine	Unleash your energy	Chemical, Physical & Mathematical Sciences	Group
Kerry	Pobalscoil Inbhear Scéine	Water pollution needs a solution	Chemical, Physical & Mathematical Sciences	Group
Kerry	Pobalscoil Inbhear Scéine	'This Fungi's Solution to Plastic Pollution!'	Biological & Ecological	Group
Kerry	Presentation Secondary School Listowel	Would people move to an island if given the necessities?	Social & Behavioural Sciences	Group
Kerry	Presentation Secondary School Listowel	Does the menstrual cycle affect 13-14 year old girls concentration levels at school	Health & Wellbeing	Group
Kerry	Presentation Secondary School Tralee	ACT {Aid, Care, Treat} - an immediate, accessible, technological aid to assist in emergencies, supported by a comprehensive repository of medical information.	Health & Wellbeing	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Kerry	Scoil Phobail Sliabh Luachra	Myths and Misconceptions in Sports and G.A.A.	Health & Wellbeing	Individual
Kerry	Tarbert Comprehensive School	CPR Pedal Chest Compression Device Mark II	Technology	Group
Kildare	Athy Community College	Ref's are humans too !	Social & Behavioural Sciences	Individual
Kildare	Celbridge Community School	Developing a Generative Adversarial Network to explore Cost of Living hotspots in Ireland.	Technology	Individual
Kildare	Coláiste Naomh Mhuire	Sugar Reduction	Health & Wellbeing	Group
Kildare	Coláiste Naomh Mhuire	Coachwise	Technology	Group
Kildare	Coláiste Naomh Mhuire	A Short Mindfulness-Based Colouring Intervention to Reduce Test Anxiety in Secondary Students	Health & Wellbeing	Individual
Kildare	Maynooth Post Primary School	An investigation into the effect of toothpaste containing hydrogen peroxide on tooth health.	Biological & Ecological	Individual
Kildare	Newbridge College	An investigation into bias against brands in different age groups when buying clothing and whether or not ethical consumerism is a problem with young people	Social & Behavioural Sciences	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Kildare	Newbridge College	Does the Rising Cost of Living Affect our Ability to Live Sustainably? - A Case Study of a Suburban Town in Co. Kildare	Social & Behavioural Sciences	Group
Kildare	Newbridge College	An investigation into the different factors influencing a person's ability, to follow written instruction.	Social & Behavioural Sciences	Group
Kildare	Newbridge College	Sound of Tensegrity	Chemical, Physical & Mathematical Sciences	Individual
Kildare	Patrician Secondary School	A Study On The Commercialization Of Small Wind Turbines For Home Energy Production	Technology	Individual
Kildare	Salesian College	Nathan 14 - An innovative smart device for the visually impaired	Technology	Individual
Kildare	St Pauls Secondary School	Phthalates Taking Over Babies	Chemical, Physical & Mathematical Sciences	Group
Kildare	St Pauls Secondary School	Public Perception and Social Acceptance of Wind Turbines	Social & Behavioural Sciences	Group
Kilkenny	Castlecomer Community School	Cash or Clicks; The Evolution of Currency in the Digital Age	Social & Behavioural Sciences	Group
Kilkenny	Castlecomer Community School	Is there a link between executive function and ambidexterity	Biological & Ecological	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Kilkenny	Castlecomer Community School	Group versus individual study; which wins the science of success?	Social & Behavioural Sciences	Group
Kilkenny	Coláiste Pobail Osraí	Éifeacht Forbairt Nua ar Thrácht i mBinn Éadair, Áth Cliath	Social & Behavioural Sciences	Individual
Kilkenny	Coláiste Pobail Osraí	Stadair éiceolaíochta ar an caidreamh idir féithleann faíne agus leamhain i cill cheannaigh	Biological & Ecological	Individual
Kilkenny	Loreto Secondary School	Níl Aon Tinteán Mar Do Thinteán Féin? - A comparative study on fuel types and their effects on the environment	Biological & Ecological	Group
Kilkenny	Loreto Secondary School	Brain Dominance	Biological & Ecological	Group
Kilkenny	Loreto Secondary School	How does colour affect our memory	Social & Behavioural Sciences	Group
Kilkenny	Loreto Secondary School	Does age and gender affect your ability to comprehend and deal with certain social situations?	Social & Behavioural Sciences	Group
Kilkenny	Loreto Secondary School	Are brunettes actually smarter than blondes?	Social & Behavioural Sciences	Group
Kilkenny	Loreto Secondary School	How can we develop a programme to engage teenage girls in physical activity?	Social & Behavioural Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Kilkenny	Meánscoil na mBráithre Criostaí	How social media affects athletic performance	Health & Wellbeing	Group
Kilkenny	Presentation Secondary School	The Active Affect	Health & Wellbeing	Group
Kilkenny	Presentation Secondary School	What A Good Question!	Social & Behavioural Sciences	Group
Kilkenny	Scoil Aireagail	How Covid-19 has affected the developmental stage and mental-health of Secondary School Pupils ages 14-17.	Health & Wellbeing	Group
Kilkenny	St Kieran's College	The Truth of Air to Water Heating	Biological & Ecological	Group
Kilkenny	St Kieran's College	Investigation into the effect of listening to different music genres on athletic performance.	Biological & Ecological	Group
Kilkenny	St Kieran's College	'Does sleep have an affect on the performance of sports athletes?'	Health & Wellbeing	Individual
Laois	Heywood Community School	How does hydration affect short-term memory?	Biological & Ecological	Group
Laois	Mountrath Community School	Extracting latex from dandelions and using it to make glue to find a sustainable alternative source for latex	Biological & Ecological	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Laois	Portlaoise College	A detailed analysis of how the transition to secondary from primary school affects students mentally and academically	Social & Behavioural Sciences	Individual
Laois	Portlaoise College	A File Manager Application for Tag-Based Searching of Media Files	Technology	Individual
Laois	St. Mary's C.B.S.	Hen vs Machine	Biological & Ecological	Group
Leitrim	Ballinamore Community School	Are our bus routes effective?	Social & Behavioural Sciences	Group
Leitrim	St. Clare's Comprehensive School	Believe it or not: Maths for anxiety reduction	Health & Wellbeing	Individual
Limerick	Ardscoil Ris	Are coffee grounds a sustainable alternative to traditional fire starters/peat	Biological & Ecological	Group
Limerick	Ardscoil Ris	Senior Citizens Embracing Technology: An investigation into the psychological impact that technology had/did not have on Senior Citizens during Covid-19.	Social & Behavioural Sciences	Group
Limerick	Castletroy College	Investigating sensory factors to make our school more inclusive	Health & Wellbeing	Group
Limerick	Colaiste Chiarain	Testing the Effectiveness of Different Antacids	Chemical, Physical & Mathematical Sciences	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Limerick	Colaiste Chiarain	VerifyMe: A new approach to authorship attribution in the post-ChatGPT era	Technology	Individual
Limerick	Colaiste Chiarain	Teaching AI to recognise bacterial cultures on agar plates.	Technology	Individual
Limerick	Colaiste Chiarain	Making sustainable bio-fabrics from seaweed	Chemical, Physical & Mathematical Sciences	Individual
Limerick	Colaiste Chiarain	Block it out? Does external audible stimuli affect our concentration depending on MBTI an investigation	Social & Behavioural Sciences	Individual
Limerick	Colaiste Chiarain	PORTANOS- Portable, Extensible diagnostics	Technology	Group
Limerick	Coláiste Ída agus Iosaef	Investigating the Interpersonal Skills of AI and Its Affinity with Mankind	Social & Behavioural Sciences	Individual
Limerick	Coláiste Ída agus Iosaef	The effect mobile devices has on young people.	Technology	Group
Limerick	Coláiste Iosaef	Raising Awareness on Blood Disorders & Examining its Prevalence amongst Adolescents	Health & Wellbeing	Group
Limerick	Coláiste Iosaef	Prevalence of excessive phone screen time in adolescents and associated factors in an Irish school	Social & Behavioural Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Limerick	Coláiste Iósaeaf	An investigation into the surrendering of dogs to shelters in the aftermath of the COVID-19 pandemic and the associated factors	Social & Behavioural Sciences	Group
Limerick	Coláiste Nano Nagle	To Belittle is to Be Little	Technology	Group
Limerick	Coláiste Nano Nagle	"If You Don't Know the Sender It Could Be a Pretender"	Technology	Group
Limerick	Desmond College	"Life in Plastic, it's NOT Fantastic !"	Chemical, Physical & Mathematical Sciences	Group
Limerick	Desmond College	ChatGPT - The curse of, or part of the evolution of learning?	Technology	Individual
Limerick	Desmond College	Anti-Sway Solution "Increasing Farm/Road Safety"	Technology	Group
Limerick	Desmond College	Smart Otoscope	Technology	Individual
Limerick	Desmond College	A reflection on light and the physics behind mirrors.	Chemical, Physical & Mathematical Sciences	Group
Limerick	Gaelcholáiste Luimnigh	Sruthú nó Gan Sruthú: Forbairt nó meath ar chultúr na tíre seo	Social & Behavioural Sciences	Group
Limerick	Gaelcholáiste Luimnigh	Climate Policies: A Mission or a Mindfield?	Social & Behavioural Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Limerick	John The Baptist Community School	How Does Playing Sport Affect Mental Health?	Health & Wellbeing	Group
Limerick	Laurel Hill Secondary School FCJ	The Effects of the Time of Day and Chronotype on Cognitive Performance	Biological & Ecological	Group
Limerick	Salesian Secondary College	The applicability of solar distillation in supplying water to third world countries and disaster zones	Technology	Group
Limerick	Salesian Secondary College	An investigation into the use of external electrical stimulation in the treatment and management of Raynaud's disease with an analysis of the impact of this disease on the diagnosed population.	Health & Wellbeing	Individual
Limerick	Scoil Pól	An investigation into the uses of artificial intelligence in the modern world and the benefits or problems it may cause.	Social & Behavioural Sciences	Individual
Limerick	Scoil Pól	60 years of BTYSE	Social & Behavioural Sciences	Group
Limerick	Scoil Pól	Optimising glucose levels: impact of combining vegetables and protein	Health & Wellbeing	Group
Limerick	Scoil Pól	Stay alive, Phone aside: The No- Phone Zone Project	Technology	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Limerick	Villiers Secondary School	Orthosomnia- Race for sleep. Investigation into the relationship between the quality of sleep and checking of "sleep scores" on fitness apps.	Social & Behavioural Sciences	Individual
Limerick	Castletroy College	Exploring the relationship between nicotine affected lungs and healthy lungs.	Health & Wellbeing	Group
Longford	Lanesboro Community College	Schools say NO ₂ to Nitrogen Dioxide!	Biological & Ecological	Group
Longford	St. Mel's College	Upcycling waste streams for agricultural use and protecting water sources	Biological & Ecological	Group
Longford	Ballymahon Vocational School	Are cow collars worth the hype?	Technology	Group
Louth	Coláiste Chú Chulainn	Which beach sand in Co. Louth has the most microplastics?	Chemical, Physical & Mathematical Sciences	Individual
Louth	Colaiste Rís	To Investigate Noise Pollution and Cheaper Ways to Integrate Sound Proofing Methods into already Existing Buildings	Technology	Group
Louth	Dundalk Grammar School	DermAI: Novel Approach to the Mitigation of Algorithmic Bias within CNN Based Skin Lesion Classification	Technology	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Louth	St Mary's Diocesan School	Is there a correlation between the numbers of hours of screen time and fine motor skills	Biological & Ecological	Group
Louth	St Mary's Diocesan School	Studying the Effects of IQ on Behavioural Traits	Social & Behavioural Sciences	Individual
Louth	St Mary's Diocesan School	Compost Immersion	Biological & Ecological	Group
Louth	St Mary's Diocesan School	The Effect of Microgravity on Plants	Biological & Ecological	Individual
Louth	St Vincent's Secondary School	Do homing pigeons respond to different coloured bird feed	Biological & Ecological	Group
Louth	St Vincent's Secondary School	Liar! Liar! Pants on Fire! An investigation to see if people conceal their true feelings about immigration using a polygraph test	Social & Behavioural Sciences	Group
Louth	St Vincent's Secondary School	An attempt to create an improved artificial version of the "helicopter seed" produced by the acer pseudoplatanus	Chemical, Physical & Mathematical Sciences	Group
Louth	St Vincent's Secondary School	Testing which kind of chocolate has the most detrimental effect on your singing voice.	Health & Wellbeing	Group
Mayo	Mount St Michael	BREATHE: Nurturing Adolescent Mental Wellness - A Tech Solution to Reduce Stress and Anxiety Among Teens	Health & Wellbeing	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Mayo	Mount St Michael	Enhancing Inhaler Technique Proficiency and Adherence in Pediatric Asthma Patients through Machine Learning-Based Intervention: A Comprehensive Study of Misuse Patterns and Technological Solutions	Health & Wellbeing	Individual
Mayo	Mount St Michael	Revolutionizing human flight: The Pursuit of Human Wings with reengineered ornithopter	Technology	Individual
Mayo	Mount St Michael	Safety in Your Hands: A mobile application integrating location-based equipment discovery and comprehensive first aid education to enhance overall emergency response outcomes.	Health & Wellbeing	Individual
Mayo	Sancta Maria College	Cliseadh Miotail Trom: Cereal Contamination Under the Microscope	Chemical, Physical & Mathematical Sciences	Group
Mayo	Sancta Maria College	SOS (Shut Out Strangers) - A workshop delivered to targets by targets themselves.	Social & Behavioural Sciences	Group
Mayo	St Joseph's Secondary School	Volatile Organic Compounds and their impact on our everyday lives	Health & Wellbeing	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Meath	Boyne Community School	Incorporation of multi species grass into dairy grazing rotations to increase milk solids production	Biological & Ecological	Group
Meath	Boyne Community School	Do physical reactions to emotions lose intensity over time?	Social & Behavioural Sciences	Group
Meath	Enfield Community College	The Physics of shotput: Adapting techniques for Para athletes	Chemical, Physical & Mathematical Sciences	Individual
Meath	Eureka Secondary School	Feeling blue	Health & Wellbeing	Individual
Meath	Eureka Secondary School	The Secret to Successful Studying	Social & Behavioural Sciences	Group
Meath	Loreto Secondary School	*Shock Rocks*	Chemical, Physical & Mathematical Sciences	Group
Meath	Loreto Secondary School	Guardian of the Hidden Galaxy Clusters	Chemical, Physical & Mathematical Sciences	Individual
Meath	Loreto Secondary School	Investigating the impact of social media on Irish adolescent attitudes towards vaping.	Social & Behavioural Sciences	Group
Meath	St Ciaran's Community School	Development of a Portable Projectile Calculator for Educational Purposes	Technology	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Meath	St. Joseph's Secondary School, Navan,	'Balancing' Behaviour	Biological & Ecological	Group
Meath	St. Joseph's Secondary School, Navan,	The Impact of Ice Baths on Sporting Recovery and Game Performance	Biological & Ecological	Individual
Meath	St. Joseph's Secondary School, Navan,	Learning while playing-gamification of mathematical concepts	Technology	Group
Meath	Loreto Secondary School	Investigating the Impact of Traffic-Related Air Pollution on Air Quality Inside Classrooms Next to Busy Roads	Health & Wellbeing	Individual
Monaghan	Ballybay Community College	Sticks and stones may break my bones, but my mind can also hurt me. The effects of injury on the mental well-being of athletes.	Health & Wellbeing	Group
Monaghan	Largy College	"How to Improve the Teaching of Astronomy"	Chemical, Physical & Mathematical Sciences	Group
Monaghan	St. Louis Secondary School	Sunscreen - Safe or Sorry?	Health & Wellbeing	Group
Offaly	St.Brendan's Community School	EcoEd Games	Technology	Group
Offaly	St.Brendan's Community School	` 'The Woodwide Web' - Do Plants Talk To Each Other?	Biological & Ecological	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Offaly	St.Brendan's Community School	Paw preference	Biological & Ecological	Group
Offaly	Tullamore College	Ethanol Evolution	Biological & Ecological	Group
Offaly	Tullamore College	The Wrist Assist	Health & Wellbeing	Group
Offaly	Tullamore College	"Ah Sure Go On, What Harm Could It Do?" – An Investigation into the Toxic Effects of Vaping	Biological & Ecological	Individual
Offaly	Tullamore College	Growing the Future: Investigating the growth of mycelium packaging using button mushrooms	Biological & Ecological	Individual
Roscommon	C.B.S. Roscommon	An investigation into the medicinal qualities of Myrica gale commonly known as bog myrtle.	Biological & Ecological	Group
Roscommon	Coláiste Chiaráin	Digital Duality: Is AI a Blessing or a Plague?	Social & Behavioural Sciences	Individual
Roscommon	Coláiste Chiaráin	Are You a Sheep or a Lone Wolf?	Social & Behavioural Sciences	Group
Roscommon	Coláiste Chiaráin	Can we produce a safer child seat using off the shelf technology?	Technology	Individual
Roscommon	Coláiste Chiaráin	Fabulous Fodder - The answer is in the ground	Technology	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Roscommon	Roscommon Community College	Rooting for Sustainability: An Exploration of More Sustainable Grassland Nutrient Management for a Greener Future	Biological & Ecological	Individual
Roscommon	Roscommon Community College	Tagged walls and teenage tales: Unveiling the secrets behind graffiti in Secondary school bathrooms.	Social & Behavioural Sciences	Group
Roscommon	Roscommon Community College	An Investigation into Contemporary Propaganda and a Retrospective on the Evolution of Widespread Misinformation Campaigns	Social & Behavioural Sciences	Group
Roscommon	Roscommon Community College	Exploring Adolescent Digital Entrepreneurship: A Study Of Participation On Trading Apps	Social & Behavioural Sciences	Group
Roscommon	Roscommon Community College	Radon Revelations	Chemical, Physical & Mathematical Sciences	Group
Roscommon	Roscommon Community College	The Impact of Peer-Led Cyberbullying Prevention Workshops	Social & Behavioural Sciences	Individual
Roscommon	Scoil Mhuire	A statistical study of the perceived stress levels of first year post primary students during their transition to post primary school	Social & Behavioural Sciences	Individual
Roscommon	Scoil Mhuire	Triple S(Slurry Safety System)	Technology	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Sligo	Jesus & Mary Secondary School	Seaweed Spirits	Biological & Ecological	Group
Sligo	Ursuline College	serene sonics; investigating the use of binaural tones to alter brain waves	Chemical, Physical & Mathematical Sciences	Individual
Sligo	Ursuline College	Feathered Frequencies	Technology	Group
Sligo	Ursuline College	The most common overlooked disability - A study of prosopagnosia	Social & Behavioural Sciences	Individual
Sligo	Ursuline College	viva los vegas	Social & Behavioural Sciences	Group
Sligo	Sligo Grammar School	What is the effect of music on creative thinking in junior and senior cycle students	Social & Behavioural Sciences	Group
Tipperary	Borrisokane Community College	Study of the impacts vapes have on teenagers	Health & Wellbeing	Group
Tipperary	Borrisokane Community College	Can rooks predict the weather; an investigation into the behaviour of rooks before weather events	Biological & Ecological	Individual
Tipperary	Borrisokane Community College	Do lunar phases impact melatonin levels in a child with autism	Social & Behavioural Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Tipperary	Borrisokane Community College	An investigation into your socioeconomic background and how it impacts your choice on part-time work when in full-time second-level education.	Social & Behavioural Sciences	Group
Tipperary	Borrisokane Community College	An investigation into a young person's gambling journey	Social & Behavioural Sciences	Group
Tipperary	C.B.S. Thurles	A statistical analysis of the wheelchair accessibility of different towns and a survey of public attitudes and awareness.	Social & Behavioural Sciences	Individual
Tipperary	Cashel Community School	"HURRY UP AND LEAF"- an investigation of accelerating of decomposition of leaves on a lawn	Biological & Ecological	Group
Tipperary	Cistercian College	A new form of water safety	Technology	Group
Tipperary	Cistercian College	Does soil type, location and topography impact the quality of malting barley?	Biological & Ecological	Group
Tipperary	Comeragh College	WAVE VIEW: A novel approach to the improvement of quality of life for the visually impaired.	Technology	Group
Tipperary	Comeragh College	Crime Scene Glow	Chemical, Physical & Mathematical Sciences	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Tipperary	Presentation Secondary School Thurles	The Psychology behind Sexist Behaviour towards Females and all those who identify as Women	Social & Behavioural Sciences	Individual
Tipperary	Presentation Secondary School Thurles	Artificial Intelligence and Education, how does this have an impact on today's generation?	Technology	Group
Tipperary	Rockwell College	A Statistical Analysis into Students' Attitudes Towards Sex Education in Irish Secondary Schools	Health & Wellbeing	Individual
Tipperary	St Josephs College	An investigation into the reliability of weather apps and inability of AI to use historical weather data.	Chemical, Physical & Mathematical Sciences	Group
Tipperary	St. Anne's Secondary School	AI vs Humans- An investigation into the difference in work produced by AI compared to students.	Technology	Group
Tipperary	St. Anne's Secondary School	The ChatGPT Gamble: Can AI Forecast Sporting Event Winners?	Technology	Individual
Tipperary	St. Mary's Secondary School Newport	The enablers and barriers to breastfeeding mothers return to competitive camogie	Health & Wellbeing	Group
Tipperary	St. Mary's Secondary School Newport	An investigation into how the changes in duration of school lunchtime has affects students activity levels between 9 and 4 o' clock	Health & Wellbeing	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Tyrone	St Ciaran's College	Green Hydrogen Production	Technology	Group
Tyrone	St Ciaran's College	Smart Sustainable Irrigation System	Technology	Group
Tyrone	St Ciaran's College	Sign-Bot	Technology	Group
Tyrone	St Ciaran's College	Automatic Data Collection (ADC) Trough	Technology	Group
Tyrone	St Patrick's College	Speed 3 What Make Athletes Preform Best!	Health & Wellbeing	Group
Waterford	Ardscoil na Mara	Rewilding Ireland: Understanding The Boundaries To Wolf Reintroduction In Ireland	Biological & Ecological	Individual
Waterford	Blackwater Community School	Are Observatories Seeing as Much as They Can?	Chemical, Physical & Mathematical Sciences	Group
Waterford	Blackwater Community School	Threats to Ireland's upland wildlife and possible solutions.	Biological & Ecological	Individual
Waterford	St Paul's Community College	Solar Panels – A Brighter future for our School using Microgeneration Technology	Social & Behavioural Sciences	Group
Westmeath	Athlone Community College	Giving Girls a Voice: How Sucessful is the HSE at treating girls with endometriosis	Health & Wellbeing	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Westmeath	Athlone Community College	Removing biases in the world of Artificial Intelligence	Technology	Individual
Westmeath	Athlone Community College	Psycho-acoustics and their applications in psychiatric conditioning.	Social & Behavioural Sciences	Individual
Westmeath	Athlone Community College	To investigate the difference in effect of laboratory generated chemical vs natural tablets on the removal of cyanobacteria, by constructing an ecosystem.	Biological & Ecological	Group
Westmeath	Colaiste Mhuire,	Cabhrú	Technology	Group
Westmeath	Colaiste Mhuire,	An Investigation into Cyclist Safety in Ireland and Development of an Innovative Technological Solution to Improve the Rate of Cyclist Injuries and Fatalities: Safe Cycle	Technology	Individual
Westmeath	Colaiste Mhuire,	Artificial Intelligence In Education - Friend or Foe?	Social & Behavioural Sciences	Group
Westmeath	Colaiste Mhuire,	Implementing Financial Literacy and Investing In Irish Teens	Social & Behavioural Sciences	Group
Westmeath	Colaiste Mhuire,	Nutri-Mates	Technology	Individual



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Westmeath	Colaiste Mhuire,	Do we need a new curriculum? A deep dive into the Irish Second Level Education System.	Social & Behavioural Sciences	Individual
Westmeath	Colaiste Mhuire,	Wake me wheel	Technology	Group
Westmeath	Colaiste Mhuire,	Anchor	Social & Behavioural Sciences	Group
Westmeath	Marist College	Vapes deadly effects on the human body	Health & Wellbeing	Group
Westmeath	Marist College	Is there a better, more efficient way for individuals in wheelchairs to evacuate high rise buildings alone in the case of emergencies	Technology	Group
Westmeath	Meán Scoil an Chlochair	Are multispecies swards the future for sustainable farming?	Biological & Ecological	Group
Westmeath	Moate Community School	EweAlert: A Warning Device to Notify Sheep Farmers of Dog Attacks	Technology	Group
Westmeath	Moate Community School	Optimising Hydroponics for Use in Developing Countries	Biological & Ecological	Group
Westmeath	Moate Community School	Fowl Play: Investigating the Effectiveness of Improved Husbandry and Diet at Reducing the Bacterial Contamination of Hen Eggs	Health & Wellbeing	Group
Westmeath	Moate Community School	5G Radiation: A Help or Hindrance to Biological Processes?	Biological & Ecological	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Westmeath	Moate Community School	Banana Bandages: A Sustainable Approach to Wound Care	Health & Wellbeing	Group
Westmeath	Moate Community School	BioGuard: A Sustainable Weedkiller for the Future	Biological & Ecological	Group
Westmeath	Moate Community School	Lead-Busters: Harnessing Woodlice for Water and Soil Cleanup in Developing Countries	Biological & Ecological	Group
Westmeath	Moate Community School	Developing Ash into an Environmentally Friendly Fertiliser	Biological & Ecological	Group
Westmeath	Our Lady's Bower	Mould Control Trigger	Technology	Group
Westmeath	Our Lady's Bower	Moove Over Biodegradable - Let's Talk Edible	Technology	Group
Westmeath	St Finian's College	A Quantitative Analysis of Students' Daily Inhaled Dose of PM2.5 Particles	Chemical, Physical & Mathematical Sciences	Group
Westmeath	St Finian's College	Thermodynamics of Crop Photosynthesis	Chemical, Physical & Mathematical Sciences	Group
Westmeath	St Finian's College	An Examination of the Effects of Early Musical Training on IQ	Social & Behavioural Sciences	Individual
Westmeath	Wilson's Hospital School	D&D: Classifying Personality	Social & Behavioural Sciences	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Wexford	Bunclody Vocational College	The wellbeing of our immigrant and asylum seeking students - is School of Sanctuary the solution.	Social & Behavioural Sciences	Group
Wexford	Gorey Educate Together Secondary School	Swap Shop	Social & Behavioural Sciences	Group
Wicklow	Avondale Community College	Mind Your Mind - Mental Health: Who, When and Why?	Health & Wellbeing	Group
Wicklow	Avondale Community College	Does exercise affect your memory?	Social & Behavioural Sciences	Group
Wicklow	Colaiste Chraobh Abhann	Are you paying attention?	Social & Behavioural Sciences	Group
Wicklow	Colaiste Chraobh Abhann	To what extent does post-exercise exhaustion impact memory retention?	Health & Wellbeing	Group
Wicklow	Gaelcholáiste na Mara	Beet It: Anailís ar éifeachtaí an sú biatais ar bhainistiú siomptóim asma.	Biological & Ecological	Group
Wicklow	Greystones Community College	Aero Dog	Technology	Individual
Wicklow	Greystones Community College	Creation of a Wormhole through Quantum Field Interactions	Chemical, Physical & Mathematical Sciences	Individual
Wicklow	St Marys College	Deodorant 101- A Solution to Pollution	Biological & Ecological	Group



BT YOUNG SCIENTIST & TECHNOLOGY Exhibition

Qualified Projects 2024

The following projects have qualified for the virtual BT Young Scientist & Technology Exhibition, 10 - 13 January 2024. Not all projects are listed.

School County	School Name	Title	Category	Project Type
Wicklow	St Marys College	Vit Fit Teens!	Biological & Ecological	Group
Wicklow	St Marys College	Combating Homelessness: How Can Water Help?	Social & Behavioural Sciences	Group
Wicklow	St Marys College	I'm too texty for My Car	Social & Behavioural Sciences	Group
Wicklow	St Marys College	A statistical analysis of the lasting impact of Governments Covid's protocols on adolescent social anxiety and social isolation which is reflected in absenteeism at post primary level.	Social & Behavioural Sciences	Group
Wicklow	St Marys College	Housing Crisis- Could Retirement Be The Key?	Social & Behavioural Sciences	Individual
Wicklow	St. Gerard's School	stopping the spread of suicide amongst teens due to social media	Technology	Individual
Wicklow	Woodbrook College	Does our menstrual cycle affect our physiological traits?	Biological & Ecological	Group