



**BT YOUNG SCIENTIST  
& TECHNOLOGY** Exhibition



[www.btyoungscientist.com](http://www.btyoungscientist.com)



& TECHNOLOGY Exhibition



YOUNG SCIENTISTS & TECHNOLOGISTS OF THE YEAR

Liam C. Sha' Connor

## Do you want to get involved in something that you will remember for the rest of your life?

Founded in 1963 by two brilliant physics researchers from University College Dublin, Rev. Dr. Tom Burke and Dr. Tony Scott, the BT Young Scientist & Technology Exhibition is a Science, Technology, Engineering and Maths (STEM) competition that is an unforgettable experience for all the students who take part.

For 24 years, the BT Young Scientist & Technology Exhibition has been organised by BT, one of world's leading communications companies.

The exhibition, takes place from **10th to 13th January 2024**, has 550 project places and is open for ideas from all second level students from Ireland, both north and south.

As well as the inspirational student projects there will be amazing Exhibition Halls with exciting and innovative science and technology-based exhibits and entertainment, making it a thrilling event for those who enter and for all visitors.



**Check out the highlights of BTYSTE 2023**

[https://youtu.be/ozSO\\_rNYf7Q](https://youtu.be/ozSO_rNYf7Q)

[www.btyoungscientist.com](http://www.btyoungscientist.com)



“Fantastic opportunity for students. Encourages and promotes students to study STEM at senior cycle. Awards students who have interests in STEM”

QUOTE FROM PARTICIPATING TEACHER

“It is great for students to experience the exhibition, have an opportunity to be interviewed by judges. It really has developed many key skills”

QUOTE FROM PARTICIPATING TEACHER

## Did you know?

# 3,354

students from 321 schools across the island of Ireland competed for the coveted title ‘BT Young Scientist and Technologist of the Year 2023’.

# 2024

will see the exhibition celebrate its 60th year, making it one of the longest standing exhibitions of its kind in the world, and BT’s 24th year as organiser and sponsor.

# 17

To date, Irish students have taken the top honours 17 times at the **European Union Contest for Young Scientists (EUCYS)** and have scooped **over 20** top awards in the **Science and Engineering Fair in the USA**.

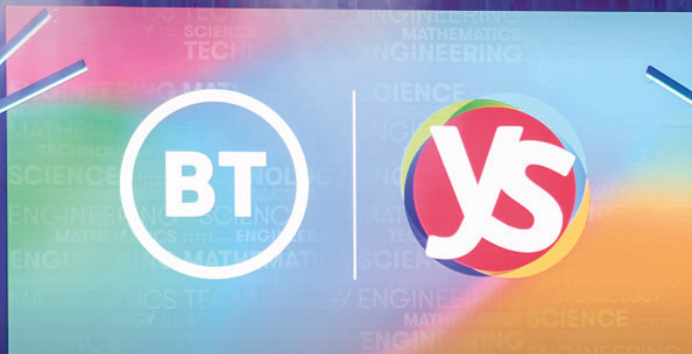


**BTYTE 2024**



# 2024 – What to Expect

The magic of the 2024 BT Young Scientist & Technology Exhibition will take place in-person



**Our amazing prize fund will be over €35,000 and there will be over 200 awards for qualifying projects.**

BTYSTE 2024 is an in-person event but we will still have the BTYSTE portal available on our website. You can explore the brilliant student project videos and amazing pre-recorded STEM shows.

Remember Teachers, our educator hub is packed full of STEM content and activities for you to learn about and bring back into the classroom.

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“The experience gained from coming up with an idea, testing it, researching material, writing it up and presenting gives the students skills that they wouldn’t necessarily get in the classroom. The confidence it give students is brilliant.”

**[www.btyoungscientist.com](http://www.btyoungscientist.com)**

# How to get involved

<http://btyoungscientist.com/how-to-get-involved/>

The competition is open to second-level students from Ireland, north and south, who are aged between **12 and 19 years** on **31st October 2023**.

	JUNIOR	INTERMEDIATE	SENIOR
ROI	1st & 2nd year	3rd & 4th year	5th & 6th year
NI	Year 8, 9 & 10	Year 11 & 12	Year 13 & 14

\*A group is defined as comprising of no more than three people from the same school and the same age grouping. If a group is made up of students in different years, these students should be entered into the oldest member's group i.e. If a student in 4th year/Year 12 partners up with a student in 5th year/Year 13 this group should be entered into the Senior category.

Aged between

# 12-19

on 31st Oct. 2023



INDIVIDUAL



GROUP\*

## The category choice

**Students can enter projects in one of four categories.**

(check the website for full definitions as an incorrect choice may result in a project not being accepted):



### Technology

e.g. communications, electronic systems, robotics, computing, control technology, applications of technology, biotechnology, automation.



### Biological & Ecological Sciences

e.g. agriculture, anatomy, biochemistry, biotechnology, ecology, horticulture, physiology, medical science, veterinary science.



### Social & Behavioural Sciences

e.g. economic, geographical, psychological or sociological studies of human behaviour, nutrition, social anthropology, political science.



### Chemical, Physical & Mathematical Sciences

e.g. chemistry, physics, mathematics, applied mathematics, geology, engineering, computer programming, meteorology, astronomy.

~Subject to change



**BTYSTE 2024**

# Why get involved in BTYSTE?

Check out these benefits:



## **Do you want to get the chance to represent your school/town at BTYSTE?**

It is a real privilege and an experience you will never forget.

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## **What about the prizes?**

There are well over 200 prizes to be won, including the prestigious BT Young Scientist & Technologist of the Year Award which comes with a cash prize of €7,500 / £6,750.

Plus, if you're lucky enough to win, you'll get to represent the competition at the European Union Contest for Young Scientists.

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## **It's a brilliant extra-curricular activity to add to your CV or university application.**

It shows a real passion for science, technology, engineering and maths (STEM) and shows you have the drive and ability to think for yourself. It also helps develop amazing research, communication and time management skills.

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## **You can also apply to receive a An Gaisce, Presidents Award or a Duke of Edinburgh Award by participating**

more details are available on our website.

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## **The rewards aren't just confined to entrants.**

Teachers will also see real, long-term benefits by getting involved.

It's a great way to get pupils fired up about the vital STEM subjects and a brilliant way to showcase your school's scientific credentials and pedigree. It also helps to inject a fun element into traditionally 'serious' subjects like science and maths. And don't forget we have awards for teachers and schools as well.

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# Where to get your idea

Ideas come from all around us and the best ones are often the simplest. Is there something that really annoys you about everyday life? Have you spotted a problem that needs a solution or could you do a project related to one of your hobbies?



## Initial research

Do some research on-line or at the library to learn everything you can about your chosen subject.



## Organise

Organise everything you have learned about your topic. At this point you should narrow your hypothesis by focusing on a particular idea.



## Make a timetable

Choose a topic that not only interests you, but that can also be done in the amount of time you have. And remember to leave time to write your report and put together an exhibit.

## Prepare a one page proposal

When you have decided on a project, carried out some research and trial experiments, it is time to write your one page proposal. This helps you to organise your thoughts and also to prepare the proposal for your project. **The proposal should be no more than 500 words.**

### How to Enter

Entries must be submitted online, in either English or Irish, by

**2nd of October 2023** at  
**[www.btyoungscientist.com](http://www.btyoungscientist.com)**

**Your application must include:**

- ✓ **Entry Form for Projects**
- ✓ **Project Details Form**
- ✓ **Teacher Assessment Form**
- ✓ **One Page Proposal outlining your project**
- ✓ **Entry fee – €20/£18**

### What happens next?

#### The selection process

Your One Page Proposal is considered by a panel of screening judges who carefully review every project. You will be told whether your project has qualified or not qualified in late October 2023.

**QUALIFIED**

**QUERIED**

**NOT QUALIFIED**







## What qualified students will need to create

Your project has four essential elements. Your report book, your project diary, a 3-minute video of your project for the BTYSTE portal, and a display board/poster to aid you in explaining your project.



Report book



Project diary



Video



Poster

The video should be uploaded by the **15th of December** so that it is available on the portal when the exhibition opens, all other documents or resources should be printed and available by 10th January. All other requirements and deadlines will be sent directly to qualified projects only.

All projects will be judged a minimum of 3 times and all Judging will be in-person during the exhibition week.

**The exhibition is on from the 10th - 13th of January.**

**“BTYSTE is vital to get students interested in science and teach them what a real scientific investigation is like. It was also great for them to have a goal and something to look forward to.”**

QUOTE FROM PARTICIPATING TEACHER



# Tips from the judges

The following advice and tips from our esteemed panel of judges might make your job a little easier when writing your project.

- 1** Start to work on your project as soon as you can. Some projects may take a lot longer to complete than you thought when you started.
- 2** For you to succeed, you have to be interested and involved from the word 'go'.
- 3** Don't leave things to chance or guesswork. Research your project well. That way you'll be able to deal comfortably with any queries that come your way, whether from the judges or members of the public.
- 4** Keep a detailed Project Diary of your work. We all forget things and this may help you answer judging queries at a later date.
- 5** Accurate use of scientific methods counts for a lot when judging begins, so take your time and make sure that all your facts and figures are correct. Don't be afraid to ask your teacher if you are unsure about something.
- 6** The project title should accurately reflect the aims of the project.
- 7** Be original. Make your project stand out from the crowd by giving good solid reasons for your choice of subject.

## Need some help with your project?

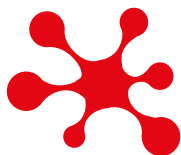
Check out our website for more information  
**[www.btyoungscientist.com](http://www.btyoungscientist.com)**



Looking for inspiration for your project entry?

**[www.btyoungscientist.com/project-finder](http://www.btyoungscientist.com/project-finder)**





THE BT YOUNG SCIENTIST  
BUSINESS BOOTCAMP

## BT's 15th Business Bootcamp Programme for students

**A number of the exhibiting intermediate and senior students from the 2024 BT Young Scientist & Technology Exhibition will be invited to take part in a BT Young Scientist Business Bootcamp in March next year where they will experience the world of technology commercialisation and entrepreneurship.**

BT has created this programme to encourage further innovation by our young scientists and provide them with commercialisation skills to carry forward into their careers and lives. The bootcamp will be held at University College Dublin (UCD).

### Expanding Business Leadership

As an extension of the BT Young Scientist & Technology Exhibition, the BT Young Scientist Business Bootcamp has enabled BT to take a national leadership role in economic development. BT is collaborating with key private and public sector organisations to create an opportunity to mentor the next generation of Irish innovators and entrepreneurs.

### Igniting Entrepreneurial Spirit

We at BT believe that the BT Young Scientist Business Bootcamp helps to bridge the gap between the worlds of education and business and mentor the next generation of young innovators and entrepreneurs.



in association  
with UCD Innovate

The Bootcamp experience has been life changing. I feel it has really opened up doors for me in regards to career options, developing my project and communicating better with people. I have met and heard from some amazing and inspiring people and I feel I have become more creative and innovative in the way I think.

FORMER PARTICIPANT



**BT YOUNG SCIENTIST  
& TECHNOLOGY** Exhibition

# 60 years

of scientific and  
technological innovation





## **CLOSING DATE FOR STUDENTS**

5pm 2nd October 2023

## **BTYSTE 2024**

10th – 13th January 2024



## **STEM INSPIRATIONS**

Podcast series from the BT Young Scientist & Technology Exhibition

[www.btyoungscientist.com/stem-inspirations-podcasts](http://www.btyoungscientist.com/stem-inspirations-podcasts)



**1800 924 362** (ROI)

**0800 917 1297** (NI)



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Dublin 4, Ireland.

BT, Riverside Tower, 5 Lanyon Place,  
Belfast BT1 3BT, Northern Ireland.

In January 2024, BT will celebrate 24 years as proud organiser and sponsor of the BT Young Scientist & Technology Exhibition. The essence of the exhibition is the spirit and ingenuity demonstrated by the students who participate. As a leader in innovation and technology, BT is delighted to cultivate and nurture the talent of our future scientists and engineers both through the exhibition itself and through the BT Young Scientist Business Bootcamp about which you will read more later. We also are delighted that over 200 of our own people volunteer to visit schools to talk about the exhibition or work at the event itself in the RDS each January.