



**BT YOUNG SCIENTIST
& TECHNOLOGY** Exhibition

8 - 11 January 2025
RDS Dublin

2025

**ENTRY
DETAILS**



www.btyoungscientist.com

BT • CELEBRATING 25 YEARS

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

The exhibition, takes place from **8 to 11 January 2025**, has 550 project places and is open for ideas from all second level students from Ireland, both north and south.

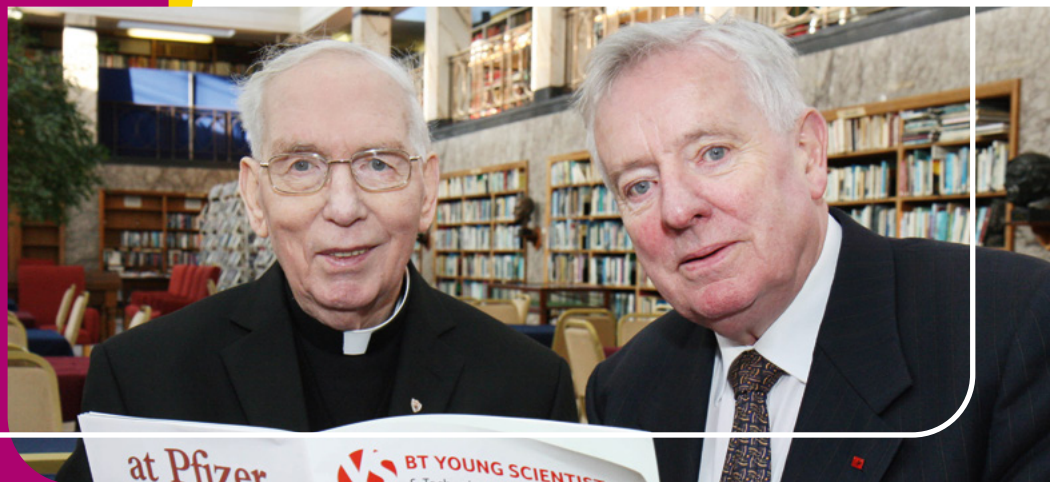
As well as the inspirational student projects there will be amazing Exhibition Halls with exciting and innovative science and technology-based exhibits and entertainment, making it a thrilling event for those who enter and for all visitors.



Check out the
2024 highlights

https://youtu.be/zmS--_Iz3yA





“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?

4,166 students

from **343 schools** across the island of Ireland competed for the coveted title ‘BT Young Scientist and Technologist of the Year 2024’.

2025

will see the exhibition celebrate its **61st year**, making it one of the longest standing exhibitions of its kind in the world, and BT’s **25th year** as organiser and sponsor.

17

To date, Irish students have taken the top honours **17 times in 35 years** at the **European Union Contest for Young Scientists (EUCYS)**.



What to expect

8 - 11 January 2025

The magic of the 2025 BT Young Scientist & Technology Exhibition will be celebrating with BT, their 25 years of being custodian, organiser and sponsor.



“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.”

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 31 October 2024**.

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



Individual



Group*
Max. 3 people

*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.

Our amazing prize fund will be **over €50,000** and there will be **over 200 awards** for qualifying projects.



The category choice

<https://btyoungscientist.com/category-choice-teachers>

Students can enter projects in one of five 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.



Health & Wellbeing

e.g. health, nutrition, work, leisure, living habits, culture, civil engagement, community, economic development, environmental quality, housing, skills, social connections.

~Subject to change

Why get involved in BTYSTE?

<https://btyoungscientist.com/resources>



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.

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.

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

more details are on our website.

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.

The rewards aren't just confined to entrants

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

Check our **STEM Inspirations** podcast to see what some of our participating teachers say.

Stem Inspirations

Podcast series from the BT Young Scientist & Technology Exhibition



The Accommodation Grant Scheme

There is an Accommodation Grant Scheme available to qualified projects from schools that are over 70Kms from the RDS. Grants of €150/£135 payable to a school in respect of each individual pupil project entry and grants of €300/£270 payable to a school in respect of each group project entry, subject always to a maximum aggregate grant payment under the Grant Scheme per school of €1,500/£1,350.

If the Fund is exceeded, the above payments will be made on a pro rata basis.

Visit our website for further information.



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

<https://btyoungscientist.com/get-started-students>



Entries must be submitted online, in either English or Irish, by **Friday 27 September** for students and **Monday 30 September** for teachers at 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 2024.



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.

What qualified students will need to create



Your project has four essential elements.

Your report book, project diary, a 3-minute video of your project for the BT/STE portal, and a display board/poster to aid you in explaining your project.

Report book



Project diary



Video



Poster



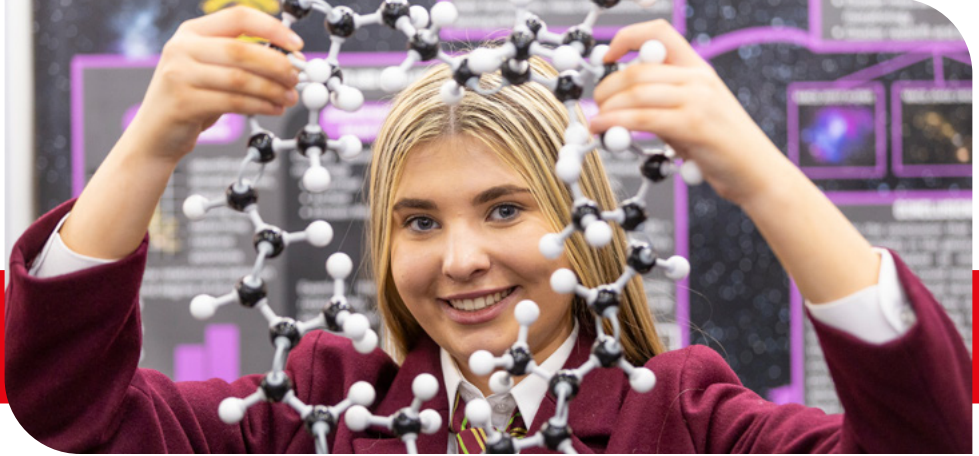
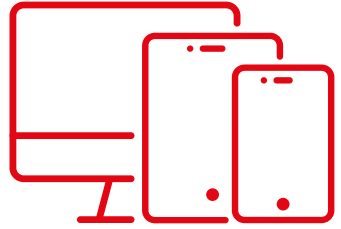
The video should be uploaded by **13 December** so that it is available on the portal when the exhibition opens, all other documents or resources should be printed and available by 10 January. All other requirements and deadlines will be sent directly to qualified projects only.

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 8 - 11 January 2025

Need some help with your project?

Check out our website for more information
www.btyoungscientist.com



THE BT YOUNG SCIENTIST
BUSINESS BOOTCAMP

BT's 16th Business Bootcamp Programme for students

A number of the exhibiting intermediate and senior students from the 2025 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).



in association
with UCD Innovate



CLOSING DATE FOR STUDENTS

5pm, 27 September 2024

CLOSING DATE FOR TEACHERS

5pm, 30 September 2024



Looking for inspiration for your project entry?

www.btyoungscientist.com/project-finder



STEM INSPIRATIONS

Podcast series from the BT Young Scientist & Technology Exhibition

www.btyoungscientist.com/stem-inspirations-podcasts



1800 924 362 (ROI)

0800 917 1297 (NI)



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

In January 2025, BT will celebrate 25 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.



An Roinn Oideachais
Department of Education



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AMGEN

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