




BT YOUNG SCIENTIST
& TECHNOLOGY Exhibition



2021

Entry Details





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

Founded in 1963 by two physics researchers from University College Dublin, Rev. Dr. Tom Burke and Dr. Tony Scott, the BT Young Scientist & Technology Exhibition is much more than a competition; it is an unforgettable experience for all the students who take part.

Today, the BT Young Scientist & Technology Exhibition is organised by BT, one of world's leading communications companies.

The exhibition, which takes place from **6th to 8th January 2021**, is the final stage in the competition and is open to all second level students from Ireland, both north and south.

As well as the 550 student projects there will be an amazing virtual world 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 2020**

<https://youtu.be/wq5tUlfeozg>



Did you know?

3,821

students from **364** schools across the island of Ireland competed for the coveted title 'BT Young Scientist & Technologist of the Year 2020.'

2021

will see the exhibition celebrate its **57th year**, making it one of the longest standing exhibitions of its kind in the world, and BT's **21st** year as sponsor and organiser.

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To date, Irish students have taken the top honours **15 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.

Need some help with your project?

Check out our website for more information
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 2020**.

	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. 2020



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.

Getting started

If you're wondering why you should get involved, here are just some of the benefits:



Getting the chance to represent your school/town at the exhibition is a real buzz and an experience you will never forget.

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



Although a love for science and technology lies at the heart of all the entries, we're sure everyone also has an eye on the prizes!

There are over 140 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.



It's a brilliant extra-curricular activity to put on your CV or university application.

It shows a real passion for science, maths, an ability to think for yourself along with time management and communication skills.



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 subjects of science and technology and a brilliant way to showcase your school's scientific pedigree. It also helps to inject a fun element into traditionally 'serious' subjects like science and maths.



Did you know, by participating you could receive a Gaisce, Presidents Award or a Duke of Edinburgh Award

more details on our website.

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

Visit your local library or use the internet 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 not only to organise your thoughts but also to prepare the case 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 **22nd September 2020** at **www.btyoungscientist.com**

Your application must include:

- ☒ Entry Form for Projects
- ☒ Project Details Form
- ☒ Teacher Assessment Form
- ☒ One Page Proposal outlining your project

What happens next?

The selection process

Your One Page Proposal is considered by a panel of screening judges who carefully consider every project. You will be told whether your project has qualified or not qualified in November 2020.

QUALIFIED

QUERIED

NOT QUALIFIED

Tips from the judges

The following advice and tips from our 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 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.



THE BT YOUNG SCIENTIST
BUSINESS BOOTCAMP

Driven by innovation, delivered by BT

BT's 12th Business Bootcamp Programme for students

A number of the exhibiting intermediate and senior students from the 2021 BT Young Scientist & Technology Exhibition will be invited to take part in a BT Young Scientist Business Bootcamp in February/March next year where they will experience the world of technology commercialisation and entrepreneurship.

BT Young Scientist Business Bootcamp in association with UCD Innovate



Closing date for students and teachers

22nd September 2020

BTYTE 2021

6th – 8th January 2021



1800 924 362 (ROI)
0800 917 1297 (NI)



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BT, Grand Canal Plaza, Upper Grand Canal Street,
Dublin 4, Ireland.

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

In January 2021, BT will celebrate 21 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.