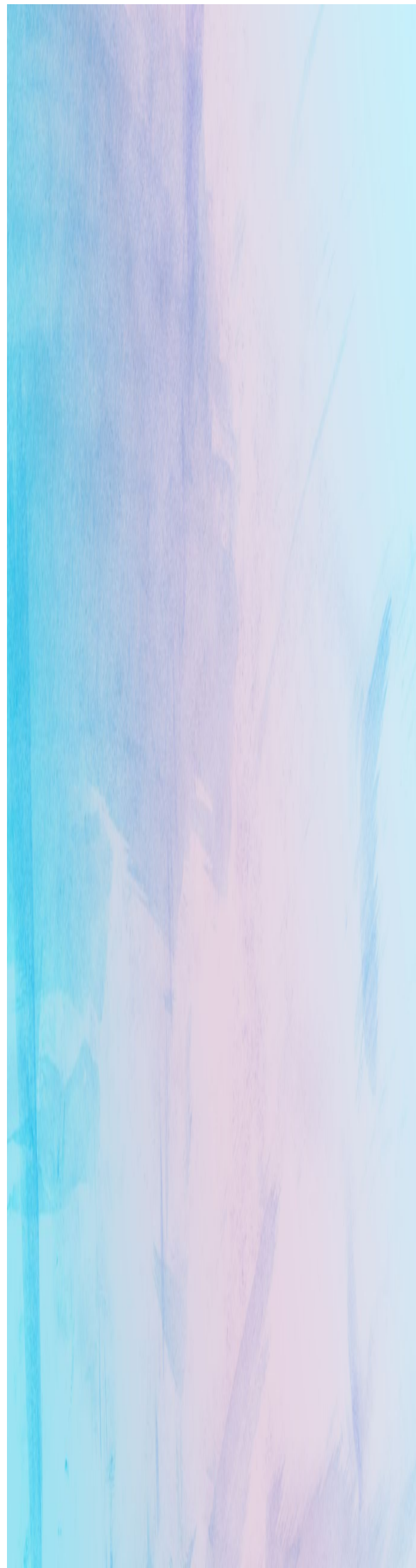




**YOUNG STUDENT
ONLINE
AUTUMN
BROCHURE**



Message from CTY Ireland

We are disappointed not to be seeing students face to face this term but unfortunately circumstances have dictated that we will have to run the majority of our classes online for the Autumn Term. Fear not though as we have lots of amazing teachers who have been working very hard to produce some online courses for high ability students. Many of these teachers are former CTYI students and all of them want to produce work that will be enjoyable to all talented students.

We hope to be able to run classes again as normal come November and we will email all students' parents with more details of this once we get confirmation from the universities that it is safe to do so. Every student who attends this online programme has curiosity to find out more information. This can be achieved through reading or doing and making things themselves and we believe that these courses will allow us to capture some of this and let the students thrive in an environment where knowledge is valued and opinions are welcomed.

We encourage you to join us for online CTYI this year and help these students fulfil their potential

Dr. Colm O'Reilly

CTYI Director

How classes will work

As the courses will be online, they will be taking place for one hour **OR** two hours every Saturday over the course of 5 weeks; **Sept 12, Sept 19, Sept 26, Oct 3 and Oct 10.**

For the one hour classes, there will be two different time slots, one in the morning and one in the afternoon, so students can sign up for either one or two classes per week.

For the two hour classes, there will also be two different time slots. One 2 hour slot in the morning and one 2 hour slot in the afternoon so students can sign up to a maximum of two 2 hours classes per week. There will be a short 15 minute break during the 2 hour classes after the first hour to allow for any toilet breaks etc...

We find that online classes work better when students of a similar age are in the same group so there will be slots for

- **Second, Third & Fourth Class (together),**
- **Fifth & Sixth Class (together)**

The course eligibility is based on the class your child is going into in the new academic year. The cost of one 1 hour course will be €75 for the 5 weeks and the cost of one 2 hour course will be €150 for the 5 weeks (plus an Eventbrite booking fee). **To participate you will need a computer/tablet with a webcam and functioning sound system and a working wifi connection.** CTYI takes Child Protection very seriously, and as such, each zoom class will have settings which ensure that people who are not students cannot join the class. Prior to the classes starting we will send out a document on how to use zoom for the classes, which we would ask you to review. Parents may be asked in advance to organise some materials for their child. These items will normally be things that can be found around the home. All class details will be sent to parents closer to the time of the classes.

Application Process

- These online courses are available to children in 2nd - 6th class only.
- If you are interested in applying for one of these courses, please follow the link provided below each timetable, which will take you to our Eventbrite listing.
- As our team are all working remotely at the moment, we will not be processing application forms and payments as usual.
- To apply you need simply enter **your details & your child's details** and pay with credit/debit card for your chosen course through Eventbrite.
- Please note, as staff are still mainly working remotely, you will be required to fill out a section on the application form regarding whether your child has any special educational needs as the application site is not connected to our database which usually would show this information. Only the staff of CTYI will be able to access this information and it will not be shared anywhere else.
- Course places are limited & are on a 'first come, first served basis' so please apply as soon as possible to avoid disappointment.
- Tickets on Eventbrite will close as soon as a course is full.
- The email address you use for eventbrite will be the email address that will be used to communicate class details such as the Zoom link which allows you to enter the class.

Refund Policy

- No Refund will be made to any student who is assigned one of their course choices but decides not to participate.
- Students who start a course but do not complete it are not eligible for a refund.
- **No refunds or credit notes will be given to anyone who makes a mistake on Eventbrite by signing up twice, choosing the wrong course or incorrectly signing up for a class that is not in the age range for your child.**
- Fees are non-transferable.
- CTYI reserves the right to cancel or alter any course if, due to unforeseen circumstances the course cannot be run economically or efficiently.

Discipline

In order for classes to run as smooth as possible and to make sure every student has a good time, we have created some rules and guidelines for all students when taking part in the online classes:

- No bullying or teasing any other student. We all came to learn.
- No talking over the teacher or messing while the class is in progress. If you want to ask a question you can raise your hand or use the chat provided.
- No taking photos or videos in class unless you get permission from the teacher
- Please arrive for class on time. If you log into the class late this can cause disruptions to the class.
- No spamming the chat with anything that is not related to what is being discussed in class
- Students may not contact a staff member on any social network unless the account is a registered CTYI one.
- Students may not share Zoom class codes or activity codes with any other person

Important to Note

Students who violate programme rules are subject to the disciplinary actions outlined above. No refunds will be made to students dismissed from the programme. Details on CTYI Data Protection and Equality policies can be found on our website

www.dcu.ie/ctyi/CTYI-Policies

Timetables

2nd, 3rd & 4th Class Timetables

1 Hour Classes

Morning Classes 10am-11am	Afternoon Classes 1:30pm - 2:30pm
Horrid Histories - Rotten Rulers & Wild Wars	Animals & Adaptations
Miraculous Microbes	Imaginative Storytelling
Medical Mysteries	Science of Tomorrow
Fantastic Beasts and how to Write Them	Hogwarts; A History
Codes & Ciphers	Discoveries & Inventions
The Science of Harry Potter	Law & Order

Please click on this link to sign up for 2nd - 4th class 1 hour courses: (or copy & paste to your browser) <https://www.eventbrite.ie/e/114911930678>

2 Hour Classes

Morning Classes 10:15am-12:30pm	Afternoon Classes 1:45pm - 4pm
Adventures in Chemistry	Forensic Science
Exploring Engineering	Puzzles & Problems
Writing Your Book	Graphic Design
Medicine	Aeronautical Engineering
Model UN	Game Design
The Brilliant Brain	Creative Writing

Please click on this link to sign up for 2nd - 4th class 2 hour courses: (or copy & paste to your browser) <https://www.eventbrite.ie/e/115068244216>

5th & 6th Class Timetable

1 Hour Classes

Morning Classes 11:30-12:30am	Afternoon Classes 3pm-4pm
Horrid Histories - Rotten Rulers & Wild Wars	Animals & Adaptations
Miraculous Microbes	Imaginative Storytelling
Medical Mysteries	Science of Tomorrow
Fantastic Beasts and how to Write Them	Hogwarts; A History
Codes & Ciphers	Discoveries & Inventions
The Science of Harry Potter	Law & Order

Please click on this link to sign up for 5th & 6th class 1 hour courses: (or copy & paste to your browser) <https://www.eventbrite.ie/e/115081305282>

2 Hour Classes

Morning Classes 10:15am-12:30pm	Afternoon Classes 1:45pm-4pm
Forensic Science	Adventures in Chemistry
Puzzles & Problems	Exploring Engineering
Graphic Design	Writing Your Book
Aeronautical Engineering	Medicine
Game Design	Model UN
Creative Writing	The Brilliant Brain

Please click on this link to sign up for 5th & 6th class 2 hour courses: (or copy & paste to your browser) <https://www.eventbrite.ie/e/115084482786>

Course Outlines

Adventures in Chemistry

Learning chemistry, you will learn about the elements that compose the world around us. Of course the exciting part of chemistry is learning how these elements interact with each other to create exciting results! From basic atomic and molecular structures, to chemical bonding, to reaction speeds, students will be introduced to the fascinating topics that compose this wonderful subject, and hopefully get to try some out at home!

Aeronautical Engineering

For generations we have always looked to the sky to see what wonders are above us. Our attempts to fly have taken us from flimsy paper hot-air balloons and strange-looking gliders to jet planes and spacecraft. This course will look through the various mechanisms of flight and what we have learned on the way. We will look at the forces of flight through push or pull. We will look at the elements of weight lift, thrust and drag as we discover what keeps objects in the air. A course for science and engineering enthusiasts and anyone curious about aviation.

Animals and Adaptations

Animals can be found on every corner of the planet, from the driest deserts to the highest mountains, even at the very bottom of the ocean. But how do they do it? Animals across the world have developed some remarkable adaptations that allow them to live in the most extreme places. This class will take a look at the importance of adaptation in animal survival, while taking a look at some of the most bizarre creatures on the planet.

Codes and Ciphers

Everybody loves cracking codes to solve problems. This course will look at various secret codes that are used widely in society today. Students will get the chance to participate in code cracking games and also to develop their own codes to encrypt their own secret information. This course is a must for people who love solving puzzles and are interested in the magical secrets of numbers and codes.

Creative Writing

Have you ever wanted to be an author? Do you have an idea for a novel but don't know how to write one? This course on creative writing will enable students to have the opportunity to write their own pieces and share them with the rest of the group to help to improve their work. A great course for anyone who has written before or who wants to try something new.

Discoveries & Inventions

Do you love to create, investigate and problem-solve? Do you enjoy tinkering, building, dismantling and designing? Are you inspired by the innovators and inventors of the past and present? In this fun and fascinating course, we will travel from the ancient to the modern world, exploring the amazing breakthroughs in science and technology that have changed our lives forever. If you have a theory to prove or an idea you want to turn into a reality, then maybe this is the course for you!

Exploring Engineering

This course aims to introduce students to some of the core principles underlying the study of engineering. Engineers are important in many things that shape the world around us such as computer chips, rocket science and advanced technology. There will be a practical element to this course, with students constructing their own feats of engineering and looking at how this fascinating topic impacts everyday life.

Fantastic Beasts and how to Write them

Can you really create a chimera? Could you train a dragon, a unicorn, or even a Minotaur? How might you defeat the Undead? How could you capture a shapeshifter? How do you spot a cryptid? And how might you communicate with an alien? In this fun and creative course, students will look at various fantastic creatures and marvellous monsters found in myth, legend, folklore, as well as their modern incarnations in popular culture and even some alignments with actual science. We will travel land, sea, and air, and possibly to other planets, gaining the skills to create our own fantastic beasts and spin equally fantastic tales to accompany them

Forensic Science

Every contact leaves a trace! In this course, students will get the chance to learn about fingerprinting, crime scenes and maybe even blood! After this course, you'll see evidence to collect wherever you go! – not for the faint hearted!!

Game Design

Learn about the different components involved in making a game. Introduce yourself to the main concepts involved in game design: chance, player agency, narrative, objectives, goals, mechanics and rules. Explore the history of board games and their cultural and symbolic importance. Maybe you can even use your newfound knowledge to create a selection of boards games using different resources, themes and game mechanics!

Graphic Design

Graphic Design at its core is the visual communication of ideas and information, in a clear, creative and engaging way. All around us in the world today designers have created all kinds of visual media; from advertisements and posters to logos and packaging, book covers and movie titles; there are so many ways design is essential to how we experience the world. They say “don't judge a book by it's cover” but why do some covers catch your attention over others?! Why do some fonts look cheerful and others serious? This class will answer these questions and many more, giving students the opportunity to develop the skills and understanding to interpret design of all kinds, by looking at the history and theory behind this ever evolving industry!

Hogwarts; A History

Calling all Muggles! Did you know that you too can play quidditch and perform feats of magic? As well as some fun practical activities, students will delve into the mythical world of Harry Potter and will deconstruct the books to find links between Harry's world and our own: examining topics such as whether snakes and owls really are mystical beasts; whether there is any proof of the existence of goblins and fairies; and if the so-called witches and wizards in our society have anything in common with the wizards and witches in Hogwarts.

'Horrid Histories' - Rotten Rulers & Wild Wars

Have you ever wondered how people lived in the past? I bet you thought that everyone was rich, boring, and well-behaved? Well, this course will make you think again! From bloody beheadings during the French Revolution to worrisome witch-craft in Ireland, discover all the fascinating and gruesome tales from the mad Medieval Ages, rotten rebellions, and wacky world wars of the twentieth century. If you have a passion for loathsome leaders, bizarre behaviours, and ugly uprisings, this course will satisfy your creative cravings through exciting facts, fun-packed lessons, and games.

Imaginative Storytelling

Everyone has a story to tell. We will explore storytelling in all its forms: written, oral, visual, and performative. You can dream up fairy tales, develop dramatic monologues, and design comic strips. Whether you enjoy comedic rambles, epic journeys, or true-life tales, this course will give you the tools to tell them well. Come and share the stories that lie inside of you. Please note that writing skills are not essential; just a good memory and a big imagination.

Law and Order

What happens when someone commits a crime? Who is in charge of deciding what to do with the criminal? Why do judges sometimes wear funny wigs? Law and Order will tackle these questions and many more over our course of study. Students can expect to engage in discussions of the law, to learn how the legal system works, both in Ireland and abroad, and learn how trials work.

Medical Mysteries

How did mouldy bread save millions of lives? What makes identical twins identical? What is that growing on your toe? Tough questions like these are at the heart of science and medicine as a discipline, and tackling them leads to direct improvements in our everyday lives. From the first caveman to eat tree sap for its painkilling qualities to the cutting edge of modern medicine, this course will look at the questions that power medical advancement.

Medicine

This exciting course will bring the student on a fascinating journey of human health. It will cover both ways to keep you healthy such as nutrition, exercise and laughter, and also explain how modern medicine can help people recover from illness - from first-aid to hospital care. Discover how your heart beats, how your muscles move, and what causes illnesses such as the coronavirus.

Miraculous Microbes

A step into the world of microbiology, taking a look at bacteria, fungi and viruses. Microorganisms can be found everywhere, some helping us and some harming us. This class will focus on characterising microorganisms, as well as looking at their function in our world.

Model UN

Famine, disaster, war, epidemic and the environment; at the Model United Nations you will learn much about world politics through real life situations. Learning the skills of debate and negotiation, you will put forward your case for your country. Discuss, confer, bargain, agree, collaborate and cooperate with other countries. This is real world politics and every decision will have immense consequences for good and for bad! This course will suit students who have an interest in debating and are concerned with world justice and fairness.

Puzzles and Problems

This course looks at some mathematical artistry! With plenty of puzzles to solve and codes to break, students will see how maths impacts on practically everything we do in life. The class will learn how to do some fantastic tricks with numbers, including shortcuts and fun mathematical feats to dazzle your friends.

Science of Tomorrow

Science of Tomorrow is an exciting course that will encourage students to ask big questions! Will space travel for holidays be possible in our lifetime? What is the next big advance for smartphones? How are we solving today's problems? In this course we will examine the scientific and technical innovations happening right now and how they could have a big impact on our future lives.

The Brilliant Brain

Do you think about thinking? Or wonder how you feel what you feel? Do you believe our senses really make sense of everything? Our brain controls how we think, move, sense, and even remember, but sometimes it can trick us too! In this fascinating course, we will explore just how the brain works, as well as its faults and limits. With plenty of fun tests and experiments, we'll get to the bottom of this big and brilliant blob!

The Science of Harry Potter

There is some wonderful science that you can learn about through this magical world! The philosopher's stone and the alchemist's quest for gold can teach us much about atoms. Is herbology really that far from our own wonderful plants? Is an invisibility cloak really that crazy? What does science say about the future of flying? This course is for anyone interested in some spellbinding science!

Writing YOUR Book!

Do you fancy yourself as an author? Have you ever dreamed about writing your own book but don't know where to begin? On this course you will be given the tools to write a best-selling story! From crafting captivating characters to devising unexpected plots, you will be shown how to write an exciting book that will have your readers hooked! Whether you want to write a fantastical fairytale, epic adventure, or creative comedy, this course will introduce you to the key ingredients that make for a thrilling tale and set you on your path to becoming the next J.K Rowling! All you need is a passion for story-telling and a wild Imagination!

