

Secondary - Coding, Computer Science, Cyber Safety & Digital Citizenship

“Transition Year is about exposing students to career options”

We provide **Exciting 21st Century Secondary Taster Programmes** designed to allow students to experience Coding, Computer Science and Digital Citizenship. We do have some capacity remaining in this academic year. And hope you would consider it whilst planning for the following academic year

Programme Listing, Format Options & Pricing

Option 1 – Price €285 – Duration 3 hours (consecutive) Via Zoom

Option 2 – Price €85 per class (40 to 60 mins – scheduled) Via Zoom (6 to 8 weeks)

Option 3 – Day Price and Travel Distance (Wexford Based) are considered. – Live in Person

All programmes are delivered via Zoom, led by a live tutor.

Hardware: Camera and Microphone (Not essential but will enhance the experience)

Taster Programme Options:

1. Introduction to Computer Science Workshop – Coding with Scratch (Computer Lab Required)
2. An Introduction to HTML & CSS Post-Primary – Building Web Pages (Computer Lab Required)
3. An Introduction to Python Programming – Real World (Computer Lab Required)
4. Cyber Safety & Digital Citizenship Programme (Lab not required. As many classes as you wish, can attend this programme at the same time)

See programme details below:

Introduction to Computer Science Workshop – Coding with Scratch

- Presentation (Overview of Workshop)
- Resources – YouTube for Education & Educational Website Usage.
- How to keep your Laptops and PC clean and safe.
- Anti-Virus SW, Updates, Disk Clean-up, What are the elements of your laptop.
- Discuss how to align material with department specification requirements.
- Computing – OS, HW, & SW. Computing and Coding through CS Unplugged (Paper Exercises).
 - Binary
 - Encryption
 - Exercise
- Coding through Scratch – Practicals

An Introduction to HTML & CSS Post-Primary – Building Web Pages

- How to use Notepad++, Sublime Text 3 & Trinket.
- Understanding how website works.
- Understanding the difference between The Internet & The Web.
- Introduction to HTML & CSS.
- Developing Web pages.

An Introduction to Python Programming – Real World

- How to use Python IDLE & Interface & Environment.
- Using Turtle Graphics.
- Understanding Variables & Numbers.
- Loops. While Repeat (For) & Nested.
- Conditions & Boolean Logic.
- Functions.

Cyber Safety & Digital Citizenship Programme – Price vary depending on the schools requirements

Learning Objectives:

1. Become aware and familiar with the New Online Irish Law – “*Harassment, Harmful Communications and Related Offences Act 2020*” Not understanding this law can now have detrimental effects.
2. To understand all aspects of Digital Citizenship:
 - a. Recognize potentially unsafe, dangerous online situations and behaviours.
 - b. Identify rules for avoiding hazardous, dangerous or risky online situations and behaviours.
 - c. Identify strategies to use when encountering potentially unsafe, difficult online conditions and behaviours.
3. To understand the fundamentals of academic writing.
 - a. Evaluate and justify information and ideas obtained from sources (e.g. articles or books). Plan and structure your **writing effectively**. **Use learning** strategies to continue to develop your academic writing ability. ... Produce writing with appropriate content for your discipline.

Topics Covered:

- Irish Law
- Digital Citizenship
- Pros and Cons of the Internet
- Online Platform Usage Etiquette
- Online Platform Correct Usage
- Digital Footprint
- Inappropriate Content
- Cyber Bullying
- Digital Stranger Danger
- Big Data
- Sextortion
- Device Usage & Social etiquette
- Catfishing
- Dangers Fake News

Structure:

The tutor will present and discuss each of the above topics live, where relevant students watch related and relevant clips to allow peer to peer discussion and topic contribution. Upon completing the said Cyber Safety area, the tutor will discuss the scope of academic writing, structure, rules, and source references. Show examples and provide resources.

Booking:

We have a limited calendar available. If you would like your students to experience any of these programmes. Please send a reply email with your chosen dates and the programme titles, and if selecting "Option 2" the desired length of the programme. Guarantee your preferred dates, and book early.