

# Trailblazers

FROM CYBERFIRST

## CyberFirst

THIS IS A WORLD WHERE TECHNOLOGY IS EVERYWHERE

### This is a CyberFirst world.

These exciting activities are aimed at S2 to help parents and students choose their subjects at national 4/5. It gives students and their families an opportunity to see how studying Computer Science can help improve the understanding of technology in the workplace and in their homes. As a country we are becoming more digital with everything we do; let's learn to use it and defend it.

**CyberFirst Trailblazers** is a free half day event created for S2 students. The event is designed to showcase the varied opportunities that can be achieved through the understanding of how technology is used in the workplace. This is the first in a series of CyberFirst events which will start each student on the exciting path of considering which national 4/5 they will take and how Computer Science can play a key role in future career prospects. An accompanying parent or guardian is welcome to attend for a specifically designed talk and some light refreshments.

**Go Create** – Learn the basics of how to customise a website and generate enthusiasm to contribute to the World Wide Web.

**Digital Detective** – Use digital forensics to identify the first person who has contracted a disease and learn how open source intelligence can lead to finding out more information about this person.

**Creative Computing** – Look into how creative design, arts and technology work together. Take a closer view on how the media industry and advertising combine these elements while having the chance in teams to create your own advert sequence using stop motion.



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# Adventurers

FROM CYBERFIRST

## CyberFirst

THIS IS A WORLD WHERE TECHNOLOGY IS EVERYWHERE

### **This is a CyberFirst world.**

These exciting activities are aimed at S3 to help parents and students choose their subjects at national 4/5. It gives students and their families an opportunity to see how studying Computer Science can help improve the understanding of technology in the workplace and in their homes. As a country we are becoming more digital with everything we do; let's learn to use it and defend it.

**CyberFirst Adventurers** is a free half day event created for S3 students. This is the second in a series of events which has been created, to highlight the varied roles and jobs that both exist and involve technology in the workplace. This will excite and enthuse students with an interest in technology, both in what we use now and in the future. It has also been designed to counter the stereotype that computer science is a subject that only leads to jobs in programming and coding. The course is aimed at students who have not yet made their national 4/5 choices, so that they get the opportunity to see how studying computer science could potentially augment and enhance their future career paths. An accompanying parent or guardian is welcome to attend for a specifically designed talk and some light refreshments.

**The Data Games** – Understand and use big data to create the perfect team using a set of sports results, compare with others and learn the interpretation of data.

**Crack the Code** – Against the clock you will work within teams to unlock various devices, during this you will get a taste of cryptography, language analysis and understand some cyber security terms. But don't be distracted as the timer won't stop until you Crack the Code.

**Engineering** – 3D printers have started to revolutionise the engineering industry, have a look into how technology and engineering fit together and move into the future in partnership. Have the chance to create your very own model using 3D design software.



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