

How to apply



6th Form Courses

COMPUTER SCIENCE

- Complete and return an application form. Application forms are available from the Wellington Academy website at: www.thewellingtonacademy.org.uk
- Your completed application should be returned to Dave Bissington, Head of 6th Form, this can be done either via your tutor (if internal) or delivered to the school reception
- Alternatively, please complete an online form, found under 2022 - Applications on the 6th Form tab on the school website.
- You will have an individual course consultation, during which provisional courses will be agreed.

The offer of the course will be conditional upon you meeting the required entry grades, any subject specific criteria and having a suitable reference from your previous school.

Your final interview will be held immediately after you have received your GCSE results. This is when your actual offer is negotiated and confirmed.



proud
to be
part of



- How does data travel across the internet?
- How can you design and build your own computer?
- How does networking work?
- What to learn to develop coding skills?
- Why has computing caused regulation and legislation to be written?

By studying A Level Computer Science you will be able to answer all these questions and more!

*"It's hardware that makes a machine fast.
It's software that makes a fast machine slow"*

Craig Bruce

www.thewellingtonacademy.org.uk

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A Level Computer Science (OCR)

What is the course like?

In A Level Computer Science you will become an expert in Computer Architecture and networking. You will be learning about the moral and cultural issues that Computing has created. Learn to code a project and code it from scratch. If you are worried about coding then there is a structured approach to ensure you meet the requirements of the course.

Course content

- The characteristics of contemporary processors, input, output and storage devices
- Software and software development
- Exchanging data
- Data types, data structures and algorithms
- Legal, moral, cultural and ethic issues
- Elements of computational thinking
- Problem solving and programming
- Algorithms to solve problems and standard algorithms

Entry requirement

5 GCSEs at 9-5 including English and Maths.

Duration

2 years.

How will I be assessed?

80% Examination over two Examination papers

20% Programming element

Where does it lead?

Computer Science could lead you to many different roles across society from:

1. Software Development
2. Network Management
3. Games Development

However, as you know, a strong understanding of Computing could enhance most careers.

Is this course suitable for me?

Yes, if you prefer a more academic approach to learning, assessment is based on understanding, knowledge, application, analysis and evaluation. If you enjoy discussions, problem solving, independent research and reading and you have a genuine interest in Computing this course is for you.

Additional Information

- Students will be learning practical skills in network administration
- Students will have practical sessions looking at Building a PC and a network from scratch