

COMPUTING

WHY STUDY COMPUTING
AT SCHOOL?



FOREWORD

Computing, Digital, Tech, IT, Computer Science – whatever you like to call it, Computing is everywhere! From music and media, to sport, fashion and health, computing is part of every aspect of life. A basic understanding will help equip you to take advantage of lots of great opportunities.

Computing is an important academic subject just like Maths or Biology. Choosing to study Computing can supercharge your options, opening a world of possibilities for your future! Nearly every job needs some aspect of Computing.

Computing is a way of thinking - a powerful way to solve problems. It is helping to tackle the world's biggest issues, like climate change. And it's helping to improve the lives of people, such those with long-term health conditions. If you choose to study Computing your skills will be in high demand by lots of different employers.

WHAT IS COMPUTER SCIENCE?

Computer science is about solving problems and making things better.

You'll explore how software and hardware can be used to fix problems in science, business and society as you learn about design and development.

There is also an important human side to computer science, as computers fix problems to help people. And, because computers can affect almost every aspect of our lives, you can work in any area: from cyber security as a software developer, health as an

informatician, to more creative fields – like game development, graphic design, or digital journalism. Sport and fashion design.



Adam Boyne

BetaJesta



Digital Apprentice **Cameron Warwick**, provides IT support with an events company and has worked at major events, including the RHS Chelsea Flower Show, Windsor Horse Show, WOMAD music festival.



What I really like is the variety of the work itself, and also meeting such a wide range of people at major events. People think IT is all about working in offices with your head down, but for me that's definitely not the case.



Software Engineer **Damask Talary-Brown**, studied science and computing science at Bath University and now works at Morgan Stanley investment bank.

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I spend my morning in touch with our international team, then spend time writing code and solving technical problems. I enjoy wrestling with a problem which can take hours or sometimes even days. Working out a solution is like a dopamine hit. I like the feeling that I get to build something useful, and it was me that designed it.

COMPUTER SCIENCE JOBS

Did you know there are fantastic career prospects for those who take up computer science? And, salaries are excellent because there's not enough people to do these jobs.



Lori French

Emerging Technology Developer
Consultant at IBM

You could turn your passion into a job in the gaming industry or fashion. What about social media marketing – maybe promoting a good cause? Or if you want to keep the bad guys at bay – try cyber security. Plus, in health you could end up using AI in cutting-edge research. There's also banking, engineering and architecture -the list is endless. Many jobs that will exist in 2030 haven't been invented yet, but computer science skills will keep you ahead of the curve.

WHAT'S NEXT?

GCSE and A Level

GCSE or A Level in computer science.

Level 2 courses – from learning the basics of ICT through to media production or designing a game or website.

Apprenticeship

Or you can do an apprenticeship – which can be up to degree level.

Scan the code below to visit the website of BCS, The Chartered Institute for IT for more information.



University

There are also loads of university courses to apply for.

Scan the code below to check out the UCAS site:





For further information please contact:

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