

COMPUTER SCIENCE A Level

Why Study this course?

- You want to study a course with excellent graduate prospects
- You want to study a course that is relevant to nearly every industry
- You want to study a course with prospects of highly-paid, competitive salaries



Career Progression

- A Level Computing prepares students to go on to higher education courses or employment where the knowledge of Computing is a requirement.
- Typical career paths include Computer Programming, Medicine, Law, Business, Politics, Engineering or the Sciences

What You'll Study

Unit 1 - Programming

- Fundamentals of programming
- Systematic approach to problem solving
- Fundamentals of data structures
- Theory of computation

Unit 2 - Computer Science theory

- Data representation
- Computer organisation and architecture
- Communication and networking
- Fundamentals of computer systems

In addition to the Year 1 content: -

Unit 1 - Programming

- Advanced data structures
- Advanced algorithms
- Regular languages
- Internet technologies

Unit 2 - Computer Science theory

- Fundamentals of databases
- OOP and functional approaches



To find out more you can visit our website:
www.parrswood.manchester.sch.uk/sixthform

Why study Computer Science at PWSFC?

Why I chose Computer Science

"Why I am taking Computing at A level – Aside from the fact that there are a wide range of jobs out there related to computing, I have decided to take Computing at A level to learn new skills and also to gain further knowledge about the career path I want to go down in the future. Computing requires you to think logically as well as creatively when you are solving problems so this is therefore the ideal subject for me to study. I am also looking forward to learning a range of computer programming languages." - Will

If you like this subject, you may also like:

BTEC ICT, Business, Sciences, Maths

Why Parrs Wood?

Computing at Parrs Wood brings innovation, creativity and enjoyment to study while offering you the skills to be at the forefront of whichever path you choose.

Industry links are of central importance within the study of Computing. Here at Parrs Wood we are working hard to cement strong links to the Manchester business world and local businesses. We work hard to immerse you in real life industry experiences.

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To find out more you can visit our website:
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