Course Information Sheet

GCSE Computer Science

FH06E33A

Venue		
⊙ **Sir John Hunt Community Sports College**	**Start Date**	18 Sept 2024 18:00
	End Date	21 May 2025 21:00
	Fee	Full fee £446 Concession £0
	Materials	

[OCSW FH06E33A GCSE Computer Science (oncoursesouthwest.co.uk)](#)

Master the fundamentals of computer science in this comprehensive GCSE qualification, preparing you for further study and the digital world.

Course Description:

Unlock the exciting world of computer science! This GCSE course equips you with the skills to understand how computers work, design programs, and navigate the digital landscape. Through a blend of theory and practical learning, you'll delve into algorithms, programming languages (like Python!), data representation, computer systems, networks, and cybersecurity. Explore the ethical and environmental impacts of technology while developing problem-solving and computational thinking skills valuable for any future career path.

What will I learn?

This 30-week course is divided into manageable modules, with a focus on both practical application and theoretical understanding:

- **Weeks 1-6:** Fundamentals of algorithms, design thinking, and problem-solving techniques.
- **Weeks 7-12:** Introduction to programming concepts and syntax using a chosen language (e.g., Python).
- **Weeks 13-18:** Deep dive into data representation, binary systems, and data structures.
- **Weeks 19-24:** Explore computer systems architecture, hardware components, and software functions.
- **Weeks 25-28:** Demystify computer networks, communication protocols, and internet security.

- **Weeks 29-30:** Examine the ethical and environmental implications of technology in the modern world.

How will I be assessed?

Your progress will be monitored through a combination of formative and summative assessments:

- **Formative:** Regular assignments, quizzes, code reviews, and practical tasks to track your understanding and provide ongoing feedback.
- **Summative:** Written exams testing your theoretical knowledge and practical programming skills.

Who is this course for?

This course is ideal for students interested in the world of computers and technology, those seeking a strong foundation for further study in computer science or related fields, and anyone wanting to develop valuable problem-solving and analytical skills.

Progression Opportunities:

This GCSE qualification opens doors to A-Levels in Computer Science, Software Development, or IT qualifications. It also serves as a stepping stone to university degrees in Computer Science, Information Technology, and related disciplines.

Career or Job Enhancement Pathways:

This GCSE can be a valuable asset for careers such as:

- Software Developer
- Web Developer
- Network Administrator
- IT Security Analyst
- Data Analyst

How do I enrol?
To apply for this course online at www.oncoursesouthwest.co.uk and simply click on the 'How to Enrol' button and complete the Enrolment Form and one of our customer service team will be in touch or call to speak to one of our friendly Learning Advisors on 01752 660713. You will be invited to undertake an initial assessment to ascertain your levels of English and maths prior to entry on this course of study.

How will the course be delivered?
This is a practical course, and the sessions will include tutor-led demonstrations, learner-led group activities, instruction and repetition. These will form part of the delivery together with one-to-one support as required.

Will I need to practise outside the classroom?
You will be encouraged to review your notes between lessons to ensure maximum benefit from your course. It is always useful to practise your skills between sessions. Your tutor may encourage home learning, or independent research.

How will I know I'm making progress?
During the first session, your tutor will discuss your goals and current level in relation to the course. Based on this assessment, you will agree individual targets which you will record in your individual learning plan (ILP). You and your tutor will review your targets regularly to ensure that you are making progress; these will be written in your individual learning plan.

What will I need?
Please bring a notepad, and pen to each session. You may wish to bring a file for any handouts. A laptop with internet access is required for completion of coursework and home learning outside of the classroom.

Please note:

Most courses attract a subsidy from the Education and Skills Funding Agency (ESFA).
It is a requirement of the ESFA that you complete various forms at different stages of your course, further information is available on request. Courses are subject to a minimum number of enrolments and could be cancelled if recruitment is low. In some cases, an alternative class at a different location may be offered.
Terms and conditions are available at
https://www.oncoursesouthwest.co.uk/learner-information/essential-information-for-every-learner
Room numbers are subject to change - please check when you arrive at the venue.