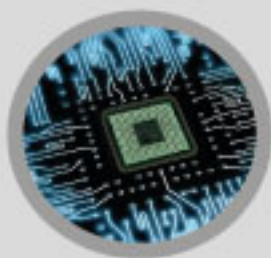


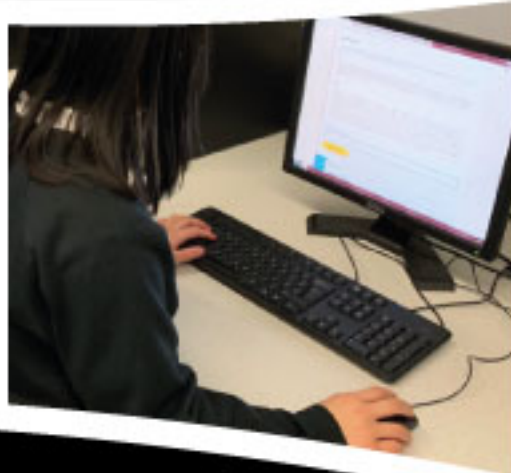
Why Choose GCSE Computer Science?

Have you often wondered how computers actually work? Have you ever wondered how the software is created? Do you wonder what new technologies will be available in the future and what skills are needed to create them? If so then read on. Computer Science is a subject that places more emphasis on the science and maths behind computers. If you are interested in learning a new programming language and have an interest in problem solving and understanding how computers operate, then Computer Science is for you.

In Computer Science you will learn the fundamental basics of computer programming along with the skills needed to design and implement your own software. You will gain an insight into new and emerging technologies whilst challenging your logic and problem solving skills



Skills developed during the Computer Science course are highly sought after and will be extremely beneficial to you in further education, the world of work or entrepreneurship. This is a course that sets you up for university and future careers in Computer Science and Digital Technology, and tries to offer you a chance to get to grips with the more technical side of computers.



At Alun School,
our experienced teaching team provide expert guidance and tuition.

GCSE Computer Science

Assessment Information

Examining Board: WJEC Accreditation: GCSE Grades A* - G

Unit 1 - Understanding Computer Science: investigates hardware, logical operations, communication, data representation and types, operating systems, principles of programming, software engineering, program construction, security and data management and the impacts of digital technology on wider society. (1 hour 45 minutes written examination that makes up 50% of the qualification)

Unit 2 - Computational Thinking and Programming: programming in JAVA and HTML which will enhance technical programming abilities and technical understanding of computational thinking. (2 hours on-screen examination that makes up 30% of the qualification)

Unit 3 - Software Development: producing a programmed solution to a problem by analysis, design, development and testing. Throughout the production of the solution you are required to produce a refinement log that evidences the development of the solution. (20 hours controlled assessment that makes up 20% of the qualification)

Who is suitable for this course?

You will find this course both enjoyable and challenging if you have an interest in programming, computers, and their applications. Ideally you will need a computer at home to develop your programming and theoretical understanding. However, arrangements can be made for those who may not have access to a computer, as there will be opportunities for students to use digital technology resources in and outside of lessons.

Why should I take this course?

Computing skills are now a common requirement in all areas of life worldwide and having studied it to GCSE level will place you at an added advantage wherever you wish to work in the future.

GCSE Computer Science will give you an excellent grounding for multiple career opportunities such as:



Future Options

After studying GCSE Computer Science you could:

Study Advanced Level Computer Science at Sixth Form;

Study for a degree in a computer science-related course or other subject at university;

Get a job in the computer industry.

For Further Information

Please contact the Digital Technology department.

