Computer Science

Computer Science offers you the opportunity to learn all about computers and how they function. You will also gain hands on experience in writing programming code and algorithms. You will investigate computer architecture, communication, data, software applications and the impact Computer Science has on society.

Choose Computer Science as an option and you will have the chance to develop transferable skills that you will be able to apply to many careers.

At **Alun School,**
our experienced teaching team provide expert guidance and tuition.
Email: ictcomputing@alunschool.cymru

Computer Science

Assessment Information

A Level Units

AS Unit 1 - Fundamentals of Computer Science - 2 hours written examination that makes up 25% of qualification.

AS Unit 2 - Practical Programming to Solve Problems - 2 hours online examination that makes up 15% of qualification.

A2 Unit 3 - Programming and System Development - 2 hours written examination that makes up 20% of qualification.

A2 Unit 4 - Computer Architecture, Data, Communication and Applications - 2 hours written examination that makes up 20% of qualification.

A2 Unit 5 - Programmed Solution to a Problem (Practical Project) - non-exam assessment that makes up 20% of qualification.

Entry Requirements

You should have achieved a grade C or above in GCSE Computer Science.
If not taken at GCSE then you should have achieved a grade B or above in GCSE Maths or Science.

Progression Routes

The transferable skills and knowledge you will gain through the study of Computer Science at Alun School will be invaluable in enabling you to access a wide range of courses at university.

Computer Science will give you an excellent grounding for multiple career opportunities including:

Web Developer

Business Analyst

I.T Consultant

Software Developer

Network Administrator

Games Developer

Systems Engineer

Computer Programmer

Many students go on to study at popular universities in subjects such as:
Computer Programming, Games Development, Computer Science or Network Management.

An alternative to this is to continue on to work based placements in:
Programming, Web Development, Technical Support or Network Technician.

Computer Science and ICT can both be studied to A Level if you are particularly interested in this field. There is a slight overlap, but ICT and Computer Science are individual subjects.