

COMPUTER SCIENCE

Why should I study Computer Science?

In this increasingly digital age, computing programmes and applications have infiltrated nearly every aspect of our lives. Computer scientists theorise, design, develop and apply the software and hardware for these programmes, which are needed in every type of industry. If you enjoy maths and are a logical thinker who is interested in how computers and networks work, this is the course for you.

Bolingbroke is best for Product Design because..

Computer Science is a new, exciting course that will be taught for the first time at Bolingbroke in September 2017. Over this two year course, through a variety of theoretical analysis and hands-on practical work, you will build a better understanding of how computers can be programmed to do the tasks people need.

What will I study?

The course will start with the basics of computing including the binary number system (on which all digital computers are based). You will investigate processors, memory, hardware devices, systems software,

communications methods and networks and the practice of programming. Focus will then shift to how Computing is applied. Pupils will explore different programming methods, databases, systems development, how the internet works and different categories of information systems. You will be taught to create programmes which support programming theory as well as help prepare you for examinations.

Additional activities within this subject

- Opportunities to attend Computing inspiration lectures.
- Trips to and links with universities to help you decide that all important next step.

What our students say

“Computer scientists are needed everywhere! I know this subject will open up lots of career paths for me.”

Class of 2019 student

