

## COMPUTER SCIENCE

### WHAT WILL I STUDY AND LEARN?

Technical computing skills are a specialist and highly sought after skill set in many areas of business. This course offers an excellent starting point for many computing related careers including programming and software engineering. On completion of the course students will have developed excellent problem solving skills, a knowledge of programming and an in-depth understanding of how computers work from both a hardware and software perspective.

### HOW IS IT TAUGHT?

The basis of this course is computation, both in theory and practice. Computer Science is an academic subject that lends itself to the more technically minded student.

The course will be divided into theory and practical sessions. All lessons will take place in ICT rooms. For practical lessons, you will learn through demonstrations and examples combined with individual or small group exercises. Theory lessons include both individual research and group work. You will be asked to complete short tasks and test preparation in your own time.

### HOW WILL COMPUTER SCIENCE HELP ME?

The Computer Science A Level is a highly respected course at university. Computer Science students often go on to careers in business, programming, engineering, banking and high level IT. There are new opportunities to work in the ICT industry emerging all the time and as technology moves on and the world continues to depend more on Computational processes and solutions, these skills will always be required.

### EXTRA ENTRY REQUIREMENTS

At least a grade 6 in GCSE Mathematics and a grade 5 in GCSE English Language.

Students who do not have a previous qualification in Computer Science will be required to demonstrate a keen interest in the subject outside of the classroom.

### WHO DO I SEE FOR MORE INFORMATION?

- Mr S. Jones, Head of ICT and Computer Science.
- Mrs A Ronan, Teacher of Computer Science.
- Mr C Rees, Teacher of Computer Science.

