

# A Level Computer Science at The Warriner School



## Computer Science A Level

### Examination Board: OCR

**Entry Requirements: GCSE Maths Grade 5. GCSE Computer Science in Grade 6 is beneficial, but students will be able to access the course material without it, on the proviso that they are willing to put in the extra leg work required to get up to speed where necessary.**

### Subject Overview

#### Assessment structure:

- Exam 1—2.5 hours (Computer Systems) - 40% of overall grade
- Exam 2—2.5 hours (Algorithms and Programming) - 40% of overall grade
- Coursework—Programming Project - 20% of overall grade

#### Skills required:

- Logical thinking
- Problem Solving
- Creativity
- Lateral Thinking
- Mathematics
- Determination
- Resilience

#### Future study avenues or careers:

- Degrees in Computer Science, Software Engineering, Data Science, Computer Game Development, Network Administration, Cyber Security, Multimedia Computing and other related disciplines
- Careers as Computer Game Developer, Processor Architect, Data Analyst, Network Administrator, Web Designer, Cyber Defence Agent, Artificial Intelligence Specialist
- GCHQ and the National Cyber Security Centre also offer apprenticeships to the very best
- Many of the current careers in Computer Science did not exist ten years ago. In the next five years there may be many more careers utilising Computer Science skills which do not currently exist.