

# Open Pool Pathway Subjects:

Optional subjects to be taken alongside core GCSEs.

**Technical Pathway:  
Digital T Level**

## GCSE Computer Science

### Faculty Lead – Mr C Gee

If you love to learn about mathematics and technology, the impact it has, and how you can use computers to solve the problems of today and tomorrow, this is the course for you. The qualification is split into two parts:

- **Computer Systems;** including systems architecture, networking, cyber security, systems, and the ethical, legal, cultural and environmental impacts of digital technology.
- **Computational Thinking, Algorithms and Programming,** which includes designing, creating and refining programs, Python programming fundamentals and techniques, types of programming languages, producing robust programs and logic.

### Assessments:

- Paper 1 – Computer Systems (50%)
- Paper 2 – Computational Thinking, Algorithms and Programming (50%)

### Co – Curricular Opportunities:

- Coding Club
- Computing Competitions
- Applied Computing

### Employer Links:

- Fujitsu
- BCN
- Sudlows
- NHS

### Careers linked to this subject:

- Web Developer
- Robotics
- Web Designer
- ICT Technician
- Cyber security specialist
- Systems Engineer