GCSE Computer Science

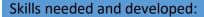**Course Content:**

Paper 1

1. Systems Architecture,
2. Memory and Storage
3. Computer networks, connections and protocols
4. Network Security
5. System Software
6. Ethical, Legal, Cultural and Environmental Impact of Digital Technology

Paper 2

1. Algorithms
2. Programming Fundamentals
3. Producing Robust Programs
4. Boolean Logic
5. Programming Languages and Integrated Development Environments

Skills needed and developed:

Students are expected to demonstrate the following:
- Good Ability in Maths (Set 1 & 2 Desirable)
- Good Ability in English
- Like problems and can work independently on solving problems.
- Complete all homework and are prepared to carry out personal study.
- Excellent Behaviour and Attitude for learning
- Have a clear interest in Computer Science.

Assessment Methods:

Paper 1 - Written Exam: 1 hour 30 minutes - 50% of GCSE

Paper 2 - Written Exam: 1 hour 30 minutes - 50% of GCSE

Qualification gained at completion of the course:

- GCSE Computing Science at grade 9 to 1

Possible Pathways and Careers:

Computer Science can lead to a wide range of job opportunities e.g. Software development, systems analysis, support specialist, network, database and systems administration, security, teaching, computer programmer and many more.