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.

