

# Computer Science

**Course Type:** GCSE

**Course Leader:** Mr Reilly

## **Topics covered:**

Computer Science is engaging and practical, inspiring creativity and problem solving. It encourages students to develop their understanding and application of the core concepts in Computer Science. Students also analyse problems in computational terms and devise creative solutions by designing, writing, testing and evaluating programs.

## **How is this subject examined:**

The course is 100% examination over 2 exam papers. There is also a course requirement to provide students with the opportunity to undertake programming tasks.

**PAPER 1:** Systems Architecture - Memory and Storage - Computer networks, connections and protocols - Network Security - Systems Software - Ethical, legal, cultural and environmental impacts of digital technology

**PAPER 2:** Algorithms - Programming fundamentals - Producing robust programs - Boolean logic - Programming languages and Integrated Development Environments

## **Career Opportunities:**

Students will be able to progress onto other Computer Science courses as well as jobs in web and app development and roles as ICT technicians.