COMPUTER SCIENCE

Examination Board

- OCR

Course Background

- The characteristics of contemporary processors, input, output and storage devices
- Software and software development
- Exchanging data
- Data types, data structures and algorithms
- Legal, moral, cultural and ethical issues
- Elements of computational thinking
- Problem solving and programming
- Algorithms to solve problems and standard algorithms

Exams

There are 2 exams, each paper is 2 hours and 30 minutes and contributes to 40% of the qualification. Paper 1 covers Computer Systems and Paper 2 covers Algorithms and Programming.

Students will also complete a programming project (non-exam assessment) which contributes to 20% of the grade.

Useful websites / reading materials

- https://isaaccomputerscience.org/
- https://student.craigndave.org/a-level-videos
- https://www.youtube.com/user/Computerphile/playlists
- OCR AS and A Level Computer Science PG Online Heathcote and Heathcote
- Tackling A Level Projects in Computer Science OCR H446 Cattanach-Chell
- Clear Revise Exam Tutor OCR A Level H446 PG Online

Recommended study

Students are expected to spend a least 3 hours per week either completing specific work set by teachers or independent further study of topics covered in class. Regular programming practice should be maintained in preparation for the programming project which starts in the final term of Year 12. Students will be expected to keep up to date with computer science advances particularly in relation to ethical issues.