A LEVEL Computer Science

An ideal choice if you have a mathematical brain and like problem solving

An intensely creative subject that combines invention and excitement, looking at the natural world through a digital prism.

Gain technical knowledge and the ability to analyse and solve problems

Understand in-depth how the computer works and what it can do

Develop programming skills

YOU WILL STUDY

- Unit 1 - Computer Systems
- Unit 2 - Algorithms and Programming
- Unit 3 - Programming Project

You will be introduced to the internal workings of the Central Processing Unit (CPU), how data is exchanged, how to develop software and the legal and ethical issues associated with the use of computer systems.

ASSESSMENTS

Two exams at the end of year two

Unit 1 40%
Unit 2 40%
Coursework 20%

SUPPORTING YOU

- Regular tests and mock papers to track progress
- Online resources with a range of learning tasks and video tutorials
- Individual and group tutorials
- 'Stretch & Challenge' and 'Super Curriculum' activities for more able learners

DEDICATED SUBJECT FACILITIES INCLUDE

2 computer suites

WI-FI

THEORY CLASSROOM

INTERACTIVE WHITEBOARDS AND MULTI-MEDIA PROJECTORS

PRINTING FACILITIES

PROGRESSION

A Level Computer Science students can progress to higher education, a degree apprenticeship or employment.

Visit our Computer Science web page for more ideas.

Imagine what you can become

Software Engineer → Games Programmer

Security Engineer → Systems Analyst

Cyber Security → Database Designer

App Developer

Computer
SCIENCE

"A Level Computer Science has been really enjoyable for me. I find the content interesting and my lessons engaging, particularly those in which we code our own programmes.

My favourite thing about Computer Science is the problem-solving skills you develop throughout the course and the ability to collaborate with your peers; both skills that are useful in my other subjects at Carmel and life in general."

Nieve McNulty

ORMISTON CHADWICK ACADEMY
COMPUTER SCIENCE, MATHEMATICS, BIOLOGY

2023 RESULTS

A*- B 30% / A*- C 42% / Overall pass rate 93%

SCAN HERE FOR FULL COURSE DETAILS

EXAM BOARD

OCR