

Key Stage 5

In Key Stage 5 we offer EDUQAS A-Level Computer Science. The course is a continuation of what is assessed at Key Stage 4 examining the same content but in much greater depth. The course retains a heavy programming focus with paper 1 having multiple pseudo code questions paper 2 focussing more on the theoretical Computer Science concepts. There is also a Non Exam Assessment worth 20% of the A-Level which allows the students to undertake a project of their choosing. This is started during the first year of the course and involves creating a practical program along with written work that documents the development process. The second year mainly focusses on the theoretical elements of Computer Science and building towards the examinations although the NEA will continue and be completed during the second year.

Year 12

Autumn Term:

NEA

VB.NET Programming (GCSE level recap)

Data Structures

Logical Operations

Databases

Networking

Spring Term:

NEA

Algorithms

Principles of Programming

Data Transmission

Systems Analysis

Summer Term:

NEA

VB.NET Programming (windows forms)

Systems Design

Software Engineering

Mock Prep

Year 13

Autumn Term:

NEA

Data Representation

Program Construction

Economic/Social/Moral/Legal

Data Security

Spring Term:

NEA

Mock Prep

Hardware

Organisation of Data

Cyber Security

Summer Term:

NEA

Operating Systems

Exam Prep

Revision of Key Topics