Students in Years 9-11 follow the OCR Computer Science 9-1 GCSE specification.

Learners take Component 01 and Component 02 to be awarded the OCR GCSE (9–1) in Computer Science.

Content Overview	Assessment Overview	
Computer systems • Systems Architecture • Memory • Storage • Wired and wireless networks • Network topologies, protocols and layers • System security • System software • Ethical, legal, cultural and environmental concerns	Computer systems (01) 80 marks 1 hour and 30 minutes Written paper (no calculators allowed)	**50% of total GCSE**
Computational thinking, algorithms and programming • Algorithms * • Programming techniques • Producing robust programs • Computational logic • Translators and facilities of languages • Data representation	Computational thinking, algorithms and programming (02) 80 marks 1 hour and 30 minutes Written paper (no calculators allowed)	**50% of total GCSE**

* Algorithm questions are not exclusive to Component 02 and can be assessed in either component.

Students also complete a programming project:

Programming Project		
Programming Project • Programming techniques • Analysis • Design • Development • Testing and evaluation and conclusions	20 timetabled hours	Formal requirement Consolidates the learning across the specification through practical activity.

- Students complete Component 01 in year 9 and for the first half of year 10.
- Students begin Component 02 in year 10 then complete the programming project and sit formal mock examinations in year 11.
- Students have formative exit pass assessments for sub-topics and end of unit assessments throughout the three years.
- PPE's take place in years 10 and 11.
- Booster sessions are available Tuesday, Thursday and Friday's after school until 4pm.