

Computer Science

Subject Leader: Mr F. Ssemwanga
Exam Board: OCR
A Level

Computer Science is a practical subject where students can apply the academic principles learned in the classroom to real-world systems. It's an intensely creative subject that combines invention and excitement, that can look at the natural world through a digital prism.

- **Advanced Computing Theory.** Students understand the function of operating systems; the function and purpose of translators; how computer architectures are structured; how data is represented, structured and manipulated; high-level language programming paradigms; low-level languages; and how databases function.
- **Computing Project.** Through coursework, students gain an understanding of definition, investigation and analysis; system design; software development and testing; documentation; evaluation; and how to produce written reports covering these topics.

Method of Assessment

Component	Weighting	Marks and duration
01 Computer systems	40%	140 marks / 2 ½ hours
02 Algorithms and programming	40%	140 marks / 2 ½ hours
03 Programming project	20%	70 marks