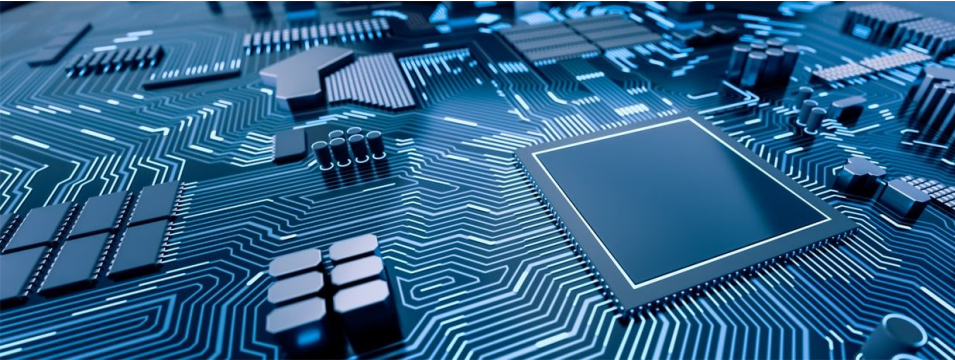




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# Welcome to the Computer Science & IT department



- Mrs Kaur, Subject Leader
- Mr Kohli, CS & IT teacher
- Miss SimKaur, CS & IT teacher
- Mr Singh, CS & IT teacher



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# Our Key Stage 5 Curriculum

We offer the following two course at A level:



**OCR A Level  
Computer  
Science H446**



**BTEC Nationals  
Information Technology  
(2016 and 2017)**



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# Our Key Stage 5 Curriculum

At A Level students have the opportunity to study towards qualifications with **OCR A Level Computer Science H446**. Students will learn about:

- The internal workings of the (CPU), data exchange, software development, data types and legal and ethical issues
- Problem solving and programming – how computers and programs can be used to solve problems
- Algorithms and how they can be used to describe and solve problems





## Our Key Stage 5 Curriculum

At A Level students have the opportunity to study towards qualifications with **BTEC Nationals Information Technology (2016 and 2017) (Equivalent to one and two A levels)**. Students will learn about:



This qualification is designed for learners who are interested in an introduction to the study of creating IT systems to manage and share information, alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in IT.



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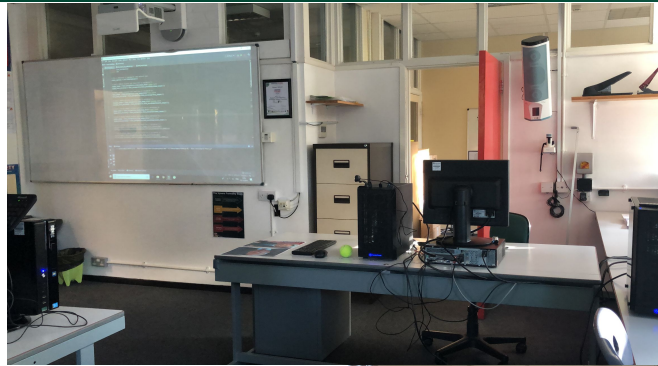
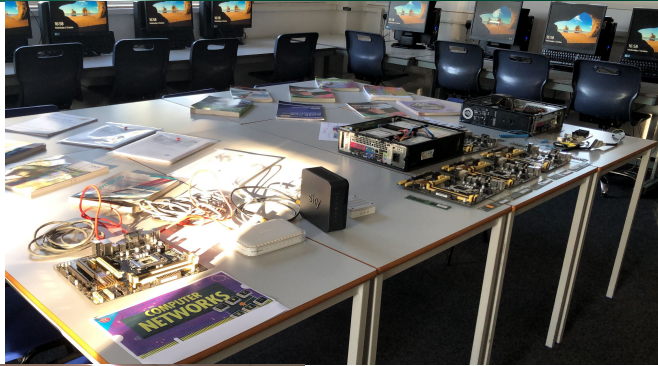
Design **Robotics** Systems engineer  
**Future careers** electronics  
Games **Web** Cyber-Security  
Data **Entrepreneur** App  
analysis UX/UI Programming  
Consultant





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# Our Co-curricular Offer

- Students are invited to join **Coding Club**, we have several robots that are programmable with a computer or an iPad, examples on right.
- Students can opt for The Tech Club which looks more widely at areas such as **micro:bit**, **Game Development**, **Cyber Girls club**, which is intended to encourage girls to engage more in the subject.
- Past **trips** have included visit to Thorpe park, The Science Museum and National Cyber Security Centre.





## Frequently Asked Questions

- 1. What is the equipment like?** Students have access to dedicated Computer Labs, which are Windows machines.
- 2. What programming languages are taught at A Level Computer Science?** Students are taught a variety of languages ranging from Scratch (block programming language) and Python, HTML & CSS, Javascript.
- 3. Is there any programming in BTEC IT course?** Yes(appro. 10%), there are few elements of programming but we will teach you all the content you need. You will have to develop a website using HTML and CSS.





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**We look forward to meeting you in  
September 2024!**