

Content

- Systems architecture
 - Memory and storage
 - Computer Networks, connections and protocols
 - Network security
 - Systems software
 - Ethical, legal, cultural and environmental impacts of digital technology
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- Algorithms
 - Programming fundamentals
 - Producing robust programs
 - Boolean logic
 - Programming languages and Integrated Development Environments

Assessment

Assessment will be through 2 x written examinations.

Facilities and Equipment used

- Computer programming software
- Access to a range of online resources and teaching tools
- Access to Revision Guides and exam preparation resources
- Google Classroom is used extensively throughout the course to aid independent learning

Outside Learning Opportunities

Students can develop their understanding of Computer Science principles outside of lessons using a range of online tutorials, which will be shared with students throughout the course. Students will need to spend time outside of lesson developing an interest in computer programming.

Related Careers

- Computer Games Developer
- Computing Technician / Network Manager
- Software Developer
- Web Designer

For further information contact

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