Computer Science

Content

- Systems architecture
- Memory and storage
- Computer Networks, connections and protocols
- Network security
- Systems software
- Ethical, legal, cultural and environmental impacts of digital technology
- 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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