

Faculty Website Curriculum information

Subject vision

Our world is digital. We aim to deliver a high-quality Computer Science curriculum, to equip students to become effective users of technology, to contribute to the rapidly changing digital world.

Key Stage 3

Year 7	Year 8	Year 9
• Introduction to the School System • Staying Safe On-line • Flowcharts and Scratch	• Edublock • On-line Dangers • Graphics	• Python • Get Creative • Networks and Security

Key Stage 4

Year 10	Year 11
GCSE Computer Science • Data Representation • Programming • Systems Architecture • Programming Skills • Programming Project I-Media • Pre-production • Digital Graphics • Pre-production Skills • Digital Video	GCSE Computer Science • Algorithms • Computational Logic • Wired and Wireless Networks • Network Topologies I-Media • Digital Video • Comic Strips

Key Stage 5

Year 12	Year 13
A Level Computer Science • Programming project • Computer Systems • Problem solving and programming • Systems Software AAQ IT • Information Technology Systems • Cyber Security • Website Development • Relational Database Development	A Level Computer Science • Algorithms and programming • Testing • Legal, moral, cultural and ethical issues Level 3 IT • Creating systems to managing information • Design a relational database

Level 3 IT • Social Media • Digital Literacy • Social media features • Optimising and file formats • Information systems • Digital devices • Networks • Data transmission • Moral and ethical use of IT systems	• Testing and evaluating IT Systems • Data modelling and decision making • Creating testing and evaluating a data model
--	---

Additional information about your subject

Our Digital, Technology and Business curriculum exposes students to a wide range of opportunities locally and nationally for a digitally skilled workforce and encourages them to establish positive working habits that will support them through their school life and beyond. Students will be given opportunities to engage with employer partners through a series of visits, speakers, clubs, and online platforms.

Contact information

If you have questions on the curriculum that your daughter will be studying, please contact one of the following.

Head of Faculty: Mr S Bashir – sbashir@wrhs1118.co.uk

Assistant Head of Faculty: Mrs Z Mahmood zshouketmahmood@wrhs1118.co.uk