

Intent

HEBBURN
Comprehensive School



WORK HARD | BE KIND | ASPIRE

The IT curriculum equips pupils to understand, create and thrive in a world shaped by computing. Through Computer Science, Digital Literacy and Digital Citizenship, pupils learn not only how technology works, but why it matters: how data is used, how systems connect, how software is built and how digital choices affect people, organisations and society.

Across Years 7–9, pupils build secure foundations through induction, online safety and responsible use of school systems; learn to communicate for real audiences through presentations, desktop publishing, graphics and web design; use spreadsheets and dashboards to model, analyse and present evidence; explore hardware, software, networks and cybersecurity so they understand the infrastructure behind modern life; and develop computational thinking through Python, algorithms and project work.

At Key Stage 4, OCR Cambridge Nationals deepen this progression through workplace-style data manipulation, IT in the Digital World and Augmented Reality. Pupils apply current knowledge of data, cyber security, connectivity and emerging technologies to solve problems, evaluate impact and make ethical decisions. This prepares them to be outstanding digital citizens and opens aspirational pathways into software development, cybersecurity, data analytics, digital design, immersive media, project management and wider technology careers.

	7	8	9	10	11
Topics	Digital Foundations Presenting Information Working with Data Digital Media and Graphics	Computer Systems Data Handling Online Safety and Digital Responsibility Programming with Python	Web Development Networks, Cybersecurity and Digital Threats Advanced Data Modelling Programming with Python: Applied Solutions	OCR Cambridge Nationals: Level 2 IT IT in the Digital World I Data Manipulation using Spreadsheets (NEA)	Presenting information with Augmented Reality (NEA) IT in the Digital World II