

Year 9 Computer Science

Below are the topic areas covered over this academic year. Please use the resources to help improve and embed the learning you have completed in school.

Autumn Term	
Topic Area	Resources
Embedded Systems	Embedded systems - Systems architecture - OCR - GCSE Computer Science Revision - OCR - BBC Bitesize
RAM/ROM	Common CPU components - Systems architecture - OCR - GCSE Computer Science Revision - OCR - BBC Bitesize
Von Neuman Architecture	Von Neumann architecture - Systems architecture - OCR - GCSE Computer Science Revision - OCR - BBC Bitesize
Networking General	What is a network? - Introduction to networks - KS3 Computer Science Revision - BBC Bitesize
Networks – Hardware	Local area network hardware - Wired and wireless networks - OCR - GCSE Computer Science Revision - OCR - BBC Bitesize
Network Topologies - Star	Star networks - Networks - Edexcel - GCSE Computer Science Revision - Edexcel - BBC Bitesize

Spring Term	
Topic Area	Resources
Python Programming	What is a program? - Introduction to programming - KS3 Computer Science Revision - BBC Bitesize
Variables	Variables - Programming basics - KS3 Computer Science Revision - BBC Bitesize Naming variables - Programming basics - KS3 Computer Science Revision - BBC Bitesize Working with variables - Programming basics - KS3 Computer Science Revision - BBC Bitesize Input and output - Programming basics - KS3 Computer Science Revision - BBC Bitesize
Python Turtle	EDEXCEL GCSE (1CP2) The Turtle module - YouTube

Lists	Arrays - Programming constructs - Edexcel - GCSE Computer Science Revision - Edexcel - BBC Bitesize
HTML	HTML tags - Implementation: HTML - National 5 Computing Science Revision - BBC Bitesize
CSS	https://www.bbc.co.uk/bitesize/guides/zrtrd2p/revision/3

Summer Term	
Topic Area	Resources
Using Excel	Use the resources available on your Teams Page
Using PowerPoint	Use the resources available on your Teams Page
Using Word	Use the resources available on your Teams Page
Digital Literacy	Use the resources available on your Teams Page