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Principal: Mrs C Stanyer

Subject: GCSE Computer Science (OCR) Year 11 Curriculum Map 2025 - 26

Week Commencing	Topic (including links to additional resources)	Assessment Window
Staff INSET 02/09 Students Return 02/09	1.3.1 Wired and wireless networks	
08/09/2025	<ul style="list-style-type: none"> types of networks: (LAN, WAN) factors that affect the performance of networks the different roles of computers in a client-server and a peer-to-peer network 	
15/09/2025	<ul style="list-style-type: none"> the hardware needed to connect stand-alone computers into a Local Area Network: (wireless access points, routers/switches, NIC (Network Interface Controller/Card), transmission media) 	
22/09/2025	<ul style="list-style-type: none"> the internet as a worldwide collection of computer networks: (DNS (Domain Name Server), hosting / the cloud, the concept of virtual networks). star and mesh network topologies 	Learning checkpoint – wired and wireless networks
29/09/2025	Python programming. Adaptive content focusing on prior identified weaknesses and linked to exam questions.	
06/10/2025		
13/10/2025	1.3.2. Protocols and layers	
20/10/2025	<ul style="list-style-type: none"> Wired and wireless networks Encryption IP and MAC addressing Standards and common protocols (TCP/IP, HTTP, HTTPS, FTP, POP, IMAP, SMTP) Layers 	Learning checkpoint – networks 2
October Half Term		
03/11/2025	Exam Preparation and revision, exam technique practice including application / past paper questions / programming questions	
10/11/2025	2.3 Producing robust programs in Python	AR1
17/11/2025		AR1
24/11/2025		

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01/12/2025	2.1.2 Designing, creating and refining algorithms <ul style="list-style-type: none"> • Input/output/processes • Structure diagrams • Pseudocode • Flowcharts • Trace tables 	
08/12/2025		
15/12/2025		
Christmas Break		
06/01/2026	Exam Preparation and revision, exam technique practice including application / past paper questions / programming questions	
12/01/2026	1.6. Systems software <ul style="list-style-type: none"> • The purpose of Operating Systems • Utility software (encryption / defragmentation / compression) 	AR2
19/01/2026		AR2
26/01/2026		AR2
02/02/2026	Python programming. Adaptive content focusing on prior identified weaknesses and linked to exam questions.	
09/02/2026		
February Half Term		
23/02/2026	2.5 Programming languages and IDEs <ul style="list-style-type: none"> • characteristics and purpose of different levels of programming language, including low level languages • the purpose of translators • the characteristics of an assembler, a compiler and an interpreter common tools and facilities available in an integrated development environment (IDE): (editors, error diagnostics, run-time environment, translators).	
02/03/2026		Learning checkpoint – Programming languages and IDEs
09/03/2026	Python programming. Adaptive content focusing on prior identified weaknesses and linked to exam questions.	
16/03/2026		
23/03/2026		Learning checkpoint – Python programming
Easter Break		
13/04/2026	Exam Preparation and revision, exam technique practice including application / past paper questions / programming questions	
20/04/2026	Preparation and revision, exam technique practice including application / past paper questions / programming questions	
27/04/2026	Preparation and revision, exam technique practice including application / past paper questions / programming questions	

04/05/2026	Preparation and revision, exam technique practice including application / past paper questions / programming questions	GCSEs
11/05/2026	GCSE Paper 1 Wednesday 13th May, PM	GCSEs
18/05/2026	GCSE Paper 2 Tuesday 19th May, PM	GCSE
May Half Term		