Ormiston
Meridian Academy

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Ormiston Academies Trust
AN OAT ACADEMY

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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** • types of networks: (LAN, WAN)	
08/09/2025	• 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	• 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	• 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		
06/10/2025	**Python programming.** Adaptive content focusing on prior identified weaknesses and linked to exam questions.	
13/10/2025	**1.3.2. Protocols and layers** • Wired and wireless networks • Encryption • IP and MAC addressing	
20/10/2025	• Standards and common protocols (TCP/IP, HTTP, HTTPS, FTP, POP, IMAP, SMTP) • Layers	Learning checkpoint – protocols and layers
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** • defensive design considerations (input sanitisation/validation, planning for contingencies, anticipating misuse, authentication)	**AR1**
17/11/2025	• maintainability (comments, indentation) • the purpose of testing	**AR1**
24/11/2025	• types of testing: (iterative, final/terminal) • how to identify syntax and logic errors • selecting and using suitable test data (normal, erroneous and borderline.	

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01/12/2025	**2.1.2 Designing, creating and refining algorithms** • Input/output/processes • Structure diagrams • Pseudocode • Flowcharts • Trace tables	
08/12/2025		
15/12/2025		Learning checkpoint
Christmas Break		
06/01/2026	Exam Preparation and revision, exam technique practice including application / past paper questions / programming questions	
12/01/2026	**2.5 Programming languages and IDEs** • characteristics and purpose of different levels of programming language, including low level languages	**AR2**
19/01/2026	• the purpose of translators • the characteristics of an assembler, a compiler and an interpreter	**AR2**
26/01/2026	common tools and facilities available in an integrated development environment (IDE): (editors, error diagnostics, run-time environment, translators).	**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	**1.6. Systems software** • The purpose of Operating Systems • Utility software (encryption / defragmentation / compression)	
02/03/2026		Learning checkpoint – systems software
09/03/2026	**Python programming.** Adaptive content focusing on prior identified weaknesses and linked to exam questions.	
16/03/2026		
23/03/2026		
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		