

# Year 10, OCR GCSE Computer Science, 2023-24



Half Term 1: 4 <sup>th</sup> Sept - 20 <sup>st</sup> Oct (7 weeks)							October Half-Term Holiday	Half Term 2	
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7		Week 8	Week 9
Introduction to Computer Science	Topic 1.1 – CPU Architecture		Topic 1.1 – CPU Performance	Topic 1.1 – Embedded Systems	Topic 1.2 – Primary Storage	Topic 1.2 – Secondary Storage	October Half-Term Holiday	Topic 1.2 – Secondary Storage	Topic 1.2 – Units of Date
Half Term 2: 30 <sup>th</sup> Oct - 22 <sup>nd</sup> Dec (8 weeks)								Christmas Holiday	Half Term 3
Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16	Week 17		Topic 1.3 – Networks and Topologies
Topic 1.2 – Numbers		Topic 1.2 – Characters	Topic 1.2 – Images	Topic 1.2 – Sound	Topic 1.2 – Compression	Christmas Holiday		Topic 1.3 – Networks and Topologies	
Half Term 3: 8 <sup>th</sup> Jan - 9 <sup>th</sup> Feb (5 weeks)			February Half-Term Holiday	Half Term 4: 19 <sup>th</sup> Feb - 29 <sup>th</sup> March (6 weeks)					
Week 18	Week 19	Week 20		Week 21	Week 22	Week 23	Week 24	Week 25	Week 26
Topic 1.3 – Networks and Topologies	Topic 1.3 – Connection Methods and Protocols		February Half-Term Holiday	Topic 1.4 – Threats to Computer Systems		Topic 1.4 – Preventing Vulnerabilities		Topic 1.5 – Operating Systems	Topic 1.5 – Utility Software Systems
Easter Holiday		Half Term 5: 15 <sup>th</sup> April - 24 <sup>th</sup> May (6 weeks)						Spring Bank Holiday	Half Term 6
Easter Holiday		Week 27	Week 28	Week 29	Week 30	Week 31	Week 32		Week 33
Easter Holiday		Topic 1.6 – Ethical and Cultural Issues	Topic 1.6 – Environmental Issues	Topic 1.6 – Legal Issues	Mock Exam Revision		Mock Exam: Component 1	Mock Exam: Component 1. CTG	
Half Term 6: 3 <sup>rd</sup> June - 19 <sup>th</sup> July (7 weeks)						Curriculum Intent:			
Week 34	Week 35	Week 36	Week 37	Week 38	Week 39	<ul style="list-style-type: none"> <li>✓ To build upon prior e-safety knowledge and safeguard all students against online threats.</li> <li>✓ To facilitate computational thinking</li> <li>✓ To build an awareness of cyber security and emerging technological advancements</li> <li>✓ To contextualise learning across all learning episodes</li> <li>✓ To develop transferable skills through digital literacy</li> </ul>			
Python Programming Skills	Mock Exam Revision	Provisional Mock Exam Week: Component 1	Python Programming Skills	Python Programming Skills	Python Programming Skills				

# Year 11, OCR GCSE Computer Science, 2023-24



Half Term 1: 4 <sup>th</sup> Sept - 20 <sup>st</sup> Oct (7 weeks)							October Half-Term Holiday	Half Term 2	
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7		Week 8	Week 9
Topic 2.1 – Computational Thinking	Topic 2.1 – Algorithms			Topic 2.1 – Searching	Topic 2.1 – Sorting	Topic 2.2 – Programming Fundamentals	Christmas Holiday	Topic 2.2 – Data Types	Topic 2.3 – Defensive Design
Half Term 2: 30 <sup>th</sup> Oct - 22 <sup>nd</sup> Dec (8 weeks)						Half Term 3			
Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Christmas Holiday	Week 16	Week 17	
Topic 2.3 – Testing	Topic 2.4 – Boolean Logic	Topic 2.5 – Languages	Topic 2.5 – IDEs	Mock Exam Revision	Provisional Mock Exam Week: Component 1 / 2		Component 1 Mock Exam CTG	Component 2 Mock Exam CTG	
Half Term 3: 8 <sup>th</sup> Jan - 9 <sup>th</sup> Feb (5 weeks)			February Half-Term Holiday	Half Term 4: 19 <sup>th</sup> Feb - 29 <sup>th</sup> March (6 weeks)					
Week 18	Week 19	Week 20		Week 21	Week 22	Week 23	Week 24	Week 25	Week 26
Topic 2.1 – Algorithms	Recap Topic 1.1 – System Architecture	Recap Topic 1.2 – Memory and Storage	Recap Topic 1.3 – Networks, Connections and Protocols	Recap Topic 1.4 – Network Security	Recap Topic 1.5 – Systems Software	Recap Topic 1.6 – L/E/C/E Issues	Recap Topic 2.2 – Programming Fundamentals and Data Types	Recap Topic 2.3 – Defensive Design and Testing	
Easter Holiday		Half Term 5: 15 <sup>th</sup> April - 24 <sup>th</sup> May (6 weeks)						Spring Bank Holiday	Half Term 6
		Week 27	Week 28	Week 29	Week 30	Week 31	Week 32		Week 33
		Recap Topic 2.4 – Boolean Logic	Recap Topic 2.5 – Languages and IDEs	Exam Revision		Provisional Component 1 Exam Week	Provisional Component 2 Exam Week		
Half Term 6: 3 <sup>rd</sup> June - 19 <sup>th</sup> July (7 weeks)						Curriculum Intent:			
Week 34	Week 35	Week 36	Week 37	Week 38	Week 39	<ul style="list-style-type: none"> <li>✓ To build upon prior e-safety knowledge and safeguard all students against online threats.</li> <li>✓ To facilitate computational thinking</li> <li>✓ To build an awareness of cyber security and emerging technological advancements</li> <li>✓ To contextualise learning across all learning episodes</li> <li>✓ To develop transferable skills through digital literacy</li> </ul>			