

# Year 10, OCR GCSE Computer Science, 2022/23



Half Term 1: 5 <sup>th</sup> September – 21 <sup>st</sup> October (7 weeks)							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 Architecture	Topic 1.1 – CPU Performance	Topic 1.1 – Embedded Systems	Topic 1.2 – Primary Storage	Topic 1.2 – Secondary Storage	Holiday	Topic 1.2 – Units of Date	Topic 1.2 – Numbers
Half Term 2: 31 <sup>st</sup> October – 16 <sup>th</sup> December (7 weeks)					Holiday	Holiday		Half Term 3: 3 <sup>rd</sup> January - 10 <sup>th</sup> February (6 weeks)	
Week 10	Week 11	Week 12	Week 13	Week 14			Week 15	Week 16	Week 17
Topic 1.2 – Numbers	Topic 1.2 – Characters	Topic 1.2 – Images	Topic 1.2 – Sound	Topic 1.2 – Compression	Holiday	Holiday	Topic 1.3 – Networks and Topologies		Topic 1.3 – Connection Methods and Protocols
Half Term 3: 3 <sup>rd</sup> January - 10 <sup>th</sup> February (6 weeks)			Holiday	Half Term 4: 20 <sup>th</sup> February – 31 <sup>st</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 – Connection Methods and Protocols	Topic 1.4 – Threats to Computer Systems		Holiday	Topic 1.4 – Preventing Vulnerabilities		Topic 1.5 – Operating Systems	Topic 1.5 – Utility Software Systems	Topic 1.6 – Ethical and Cultural Issues	Topic 1.6 – Environmental Issues
Holiday	Holiday	Half Term 5: 17 <sup>th</sup> April – 26 <sup>th</sup> May (6 weeks)						Holiday	Half Term 6
		Week 27	Week 28	Week 29	Week 30	Week 31	Week 32		Week 33
		Topic 1.6 – Legal Issues	Mock Exam Revision				Mock Exam: Component 1	Mock Exam: Component 1. CTG	
Half Term 6: 5 <sup>th</sup> June – 21 <sup>st</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, 2022/23



Half Term 1: 5 <sup>th</sup> September – 21 <sup>st</sup> October (7 weeks)							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	Topic 2.2 – Data Types	Holiday	Topic 2.3 – Defensive Design	Topic 2.3 – Testing	
Half Term 2: 31 <sup>st</sup> October – 16 <sup>th</sup> December (7 weeks)					Holiday	Holiday		Half Term 3: 3 <sup>rd</sup> January - 10 <sup>th</sup> February (6 weeks)		
Week 10	Week 11	Week 12	Week 13	Week 14			Week 15	Week 16	Week 17	
Topic 2.4 – Boolean Logic	Topic 2.5 – Languages	Topic 2.5 – IDEs	Mock Exam Revision	Provisional Mock Exam Week: Component 1 / 2	Holiday	Holiday	Component 1 Mock Exam CTG	Component 2 Mock Exam CTG	Topic 2.1 – Algorithms	
Half Term 3: 3 <sup>rd</sup> January - 10 <sup>th</sup> February (6 weeks)			Holiday	Half Term 4: 20 <sup>th</sup> February – 31 <sup>st</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 2.2 – Programming Fundamentals and Data Types	Recap Topic 2.3 – Defensive Design and Testing	Holiday	Recap Topic 2.4 – Boolean Logic	Recap Topic 2.5 – Languages and IDEs	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	
Holiday	Holiday	Half Term 5: 17 <sup>th</sup> April – 26 <sup>th</sup> May (6 weeks)						Holiday	Half Term 6	
		Week 27	Week 28	Week 29	Week 30	Week 31	Week 32		Week 33	
Recap Topic 1.5 – Systems Software		Recap Topic 1.6 – L/E/C/E Issues	Exam Revision	Provisional Component 1 Exam Week	Provisional Component 2 Exam Week					
Half Term 6: 5 <sup>th</sup> June – 21 <sup>st</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>				