

Computer Science Checklist

Subject Comp Science		Paper 1 and Paper 2	Duration 1 hour 30
What to revise		How to revise it	
1	<p>Systems architecture</p> <ul style="list-style-type: none"> • The purpose of the CPU: <ul style="list-style-type: none"> ○ The fetch-execute cycle • Common CPU components and their function: • How common characteristics of CPUs affect their performance: 	<p>Pages 2-5 in revision guide</p> <p>https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-1-common-cpu-components-and-their-function</p> <p>https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-1-the-common-characteristics-of-cpus</p>	
2	Primary Memory and secondary storage	<p>Page 4 - 7</p> <p>https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-2-ram-rom</p> <p>https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-2-the-need-for-secondary-storage</p>	
3	<p>Data representation</p> <ul style="list-style-type: none"> ○ Numbers ○ Characters ○ Images ○ Sound ○ Compression 	Pages 13 - 21	
4	<p>Networks</p> <ul style="list-style-type: none"> ○ Networks and topologies ○ Wired and wireless networks, protocols 	Pages 24, 27, 28, 29	
5	<p>Network security</p> <ul style="list-style-type: none"> ○ Threats to computer systems and networks ○ Identifying and preventing vulnerabilities 	Page 32	
6	Boolean Logic	<p>Page 57-59</p> <p>https://www.csnewbs.com/ocr2020-4-1-booleanlogic</p>	
7	<p>Producing robust programs</p> <ul style="list-style-type: none"> ○ Defensive design ○ Testing 	<p>Pages 71-72</p> <p>https://www.csnewbs.com/ocr2020-3-2-testing</p>	
8	SQL	Page 65	
9	<p>Languages and translators</p> <ul style="list-style-type: none"> ○ Languages ○ IDE 	<p>Pages 74-75</p> <p>https://www.csnewbs.com/ocr2020-5-1-languagestranslators</p>	
10	<p>Algorithms</p> <ul style="list-style-type: none"> ○ Computational thinking 	Pages 45- 48	



	<ul style="list-style-type: none">○ Designing, creating and refining algorithms○ Searching and sorting algorithms	
11	<p>Programming fundamentals</p> <ul style="list-style-type: none">○ Programming fundamentals○ Data types○ Additional programming techniques	<p>Pages – 60-67</p> <p>https://www.csnewbs.com/ocr2020-2-3-additionaltechniques</p> <p>https://www.csnewbs.com/ocr2020-1-2-designingalgorithms</p>