

N5 COMPUTING SCIENCE ESSENTIAL INFORMATION

Which topics are covered at N5? <table border="1"> <thead> <tr> <th>Unit</th> <th>Topic</th> </tr> </thead> <tbody> <tr> <td rowspan="6">Software Design & Development (SDD)</td> <td>Development Methodologies</td> </tr> <tr> <td>Analysis</td> </tr> <tr> <td>Design</td> </tr> <tr> <td>Implementation (Data Types & Structures, Computational Constructs, Algorithms)</td> </tr> <tr> <td>Testing</td> </tr> <tr> <td>Evaluation</td> </tr> <tr> <td rowspan="4">Computer Systems</td> <td>Data Representation</td> </tr> <tr> <td>Computer Structure</td> </tr> <tr> <td>Environmental Impact</td> </tr> <tr> <td>Security Precautions</td> </tr> <tr> <td rowspan="5">Database Design & Development</td> <td>Analysis</td> </tr> <tr> <td>Design (GDPR, ERDs, Data Dictionary)</td> </tr> <tr> <td>Implementation (SQL)</td> </tr> <tr> <td>Testing</td> </tr> <tr> <td>Evaluation</td> </tr> </tbody> </table>		Unit	Topic	Software Design & Development (SDD)	Development Methodologies	Analysis	Design	Implementation (Data Types & Structures, Computational Constructs, Algorithms)	Testing	Evaluation	Computer Systems	Data Representation	Computer Structure	Environmental Impact	Security Precautions	Database Design & Development	Analysis	Design (GDPR, ERDs, Data Dictionary)	Implementation (SQL)	Testing	Evaluation	What apps and websites can I use to support my learning? <ul style="list-style-type: none"> • Scholar • Python Tutor • BBC Bitesize • SQA - Past Papers • Understanding Standards
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Are there important dates of which I should I be aware? <p>December – Formal Assessment 2 February – Course Assignment (33% of final grade) Wednesday 20th May – Final exam</p>																						
How is the course assessed? <table border="1"> <thead> <tr> <th>COMPONENT</th> <th>DETAILS</th> <th>LENGTH</th> <th>MARKS</th> <th>%</th> </tr> </thead> <tbody> <tr> <td rowspan="2">FINAL EXAM: Written Exam</td> <td>Section 1: SDD and Computer Systems (55 marks)</td> <td rowspan="2">1 hour 30 minutes</td> <td rowspan="2">80</td> <td rowspan="2">67%</td> </tr> <tr> <td>Section 2: Databases (25 marks)</td> </tr> <tr> <td>IN SCHOOL: Course Assignment (Feb)</td> <td>Practical course assignment covering SDD & DDD</td> <td>6 hours (over 1 day)</td> <td>40</td> <td>33%</td> </tr> </tbody> </table>					COMPONENT	DETAILS	LENGTH	MARKS	%	FINAL EXAM: Written Exam	Section 1: SDD and Computer Systems (55 marks)	1 hour 30 minutes	80	67%	Section 2: Databases (25 marks)	IN SCHOOL: Course Assignment (Feb)	Practical course assignment covering SDD & DDD	6 hours (over 1 day)	40	33%		
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Resources Resources from lessons (One Note and Teams)		Where do I find the past papers? You will find past papers back to 2018 on the SQA site. https://www.sqa.org.uk/pastpapers/findpastpaper.htm																				
Additional: How to code in python book (copies used in school) Questions & Papers book (copies used in school)																						
Where do I find more information about the course? https://www.sqa.org.uk/sqa/56923.html		What can I do to improve? Engage and respond to all teacher feedback. Practise past paper questions. Revise key concepts and terminology. Revise and practice standard algorithms.																				