## CAMPUS CALENDAR 2023-24

	Faculty of Business, Computer Science and ICT - KS5 computer science - Year 13					
1	Paper 1 topics for this half-term:					
	Recursive techniques					
2	Object oriented programming					
3	Implementing stacks and queues					
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4	Paper 1 assessments this half-term:					
	Paper 1 assessment 1 - recursive techniques and OOP					
5						
6	Paper 2 topics fo this half-term:					
	<ul> <li>Revision of number systems, bases and binary</li> </ul>					
7	Revision of data representation					
8	Hardware and software					
	High and low level languages					
	Translators					
	Boolean algebra and truth tables					
	Internal and external hardware					
	Paper 2 assessments this half term:					
	<ul> <li>Paper 2 assessments this half-term:</li> <li>Paper 2 assessment 1 - data representation</li> </ul>					
	<ul> <li>Paper 2 assessment 1 - data representation</li> <li>Paper 2 assessment 2 - all topics covered in the term</li> </ul>					
	Mid Term Break					
9	Paper 1 topics for this half-term:					
	More on implementing stacks					
10	• Implementing graphs					
11	<ul> <li>Implementing binary search trees</li> </ul>					
	Implementing hash tables					
12	Dictionaries					
	Vectors					
13	Graph traversal					
14	Tree traversal					
	Reverse polish					
15						
16	Paper 1 assessments this half-term:					
	<ul> <li>Paper 1 assessment 2 - abstract data types</li> </ul>					
	Paper 2 topics fo this half-term:					
	<ul> <li>More on architecture and assembly language</li> </ul>					
	<ul> <li>More on consequences of computing</li> </ul>					
	• more on consequences or computing					
	Paper 2 assessments this half-term:					
	<ul> <li>Paper 2 assessments this nan-term.</li> <li>Paper 2 assessment 3 - computer architecture and organisation</li> </ul>					
	<ul> <li>Paper 2 assessment 4 - consequences of computing</li> </ul>					
	Christman & New York Burgh					
	Christmas & New Year Break					
	Paper 1 topics for this half torm:					
17	<ul> <li>Paper 1 topics for this half-term:</li> <li>Work on skeleton program</li> </ul>					
18						
1 1	Paper 1 assessments this half-term:					
19	<ul> <li>Paper 1 assessments this half-term:</li> <li>Paper 1 assessment 3 - hand tracing with abstract data types</li> </ul>					

21	Paper 1 assessment 4 - section C questions				
22	Paper 2 topics fo this half-term:				
	Networking				
	The Internet     More on Databases				
	More on Databases				
	Paper 2 assessments this half-term:				
	<ul> <li>Paper 2 assessment 5 - Networking</li> </ul>				
	Mid Term Break				
23	Paper 1 topics for this half-term:				
	Theory of computation revision				
24	Final push with NEA				
25	Paper 1 assessments this half-term:				
26	<ul> <li>Paper 1 assessments this han-term.</li> <li>Paper 1 assessment 4 - Section A</li> </ul>				
27	Paper 2 topics fo this half-term:				
28	Completion of databases				
	Big data				
29	Functional programming     Missing links				
	<ul> <li>Missing links</li> </ul>				
	Paper 2 assessments this half-term:				
	<ul> <li>Paper 2 assessment 6 - Databases, big data and functional programming</li> </ul>				
	Easter Break				
	Papar 1 tanics for this half tarm.				
30	<ul> <li>Paper 1 topics for this half-term:</li> <li>More complex data structures including hash tables and stacks</li> </ul>				
31	<ul> <li>Classification of algorithms</li> </ul>				
32					
<u> </u>	Paper 1 assessments this half-term:				
33	Paper 1 assessment 5 - finite state machines				
	<ul> <li>Paper 1 assessment 6 - AS paper 1 mock section A only</li> </ul>				
	Paper 2 topics fo this half-term:				
	<ul> <li>Revision of all topics covered so far</li> </ul>				
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	Paper 2 assessments this half-term:				
	Paper 2 assessment 5 - databases				
	<ul> <li>Paper 2 assessment 6 - AS paper 2 mock full paper</li> </ul>				
	Mid Term Break				
34	<ul> <li>Final revision and NEA submission/feedback of marks</li> </ul>				
25					
35					
36					
37					
1					

<u>Course</u> <u>Structure</u>	The course is assessed through two exams and coursework (NEA). Paper 1 is worth 40% Paper 2 is worth 40% NEA is worth 20% You will hand your coursework in before the Easter break in year 13. You will sit both papers at the end of year 13. Paper 1 is a programming paper that you will do using a computer. Paper 2 is a written paper.				
Assessment	You will be assessed at 6 points throughout the year for both papers. The assessments will be formed of past exam-style content and will be graded with A level grades. Each assessment will be mostly focussed on the topic you have been studying; however, some of the questions will be interleaved (questions from other topics) making it vital that you always revisit topics over and over again.				
<u>Feedback</u>	<ol> <li>You complete the assessment</li> <li>Your teacher will mark the work, giving you strengths that in positives in your work and targets that directly show you had the pour work will be returned to you and you will fill in a STAR help you engage with the feedback and identify how you next time</li> <li>After reading the detailed feedback your teacher has prowill improve a part of your work using a purple pen.</li> <li>Your assessments will be placed into assessment folders for</li> </ol>				
Assessment					
<u>Objectives</u>	<u>H</u>	ow do I demonstrate this in my work	<u>Overall</u> weighting		
		emonstrate knowledge and understanding of the principle oncepts of computer science, including abstraction, logic, lgorithms and data representation. This is largely tested in paper and a little in paper 1.	30%		
		pply knowledge and understanding of the principles and oncepts of computer science, including to analyse problems in omputational terms. This is tested in both papers and a little in ne NEA.	30%		
	pr pr	esign, program and evaluate computer systems that solve roblems, making reasoned judgements about these and resenting conclusions.This is tested largely in paper 1 and the IEA and a little in paper 2.	40%		
<u>Study</u> <u>Materials</u>	<ul> <li>Knowledge Organisers</li> <li>Course companions available through the college.</li> <li>Google Classroom</li> <li>Craig 'n' Dave YouTube channel</li> <li>AQA specification, past papers and bank of exam questions</li> <li>Resources written by the team</li> </ul>				
<u>Class Work</u>	You will need to provide a ring binder to keep your notes in. You will be given dividers with lists of all the topics for each section of the course. Your folders will be checked regularly to make sure you are making good quality notes and that your work is well organised.				