

Subject Long Term Plan Year 10 2019-20

Temperance Term

W/C	2nd September	9th September	16th September	23rd September	30th September	7th October	14th October	21st October
Topic		Unit 1.1 / 2.5	Unit 1.1 / 2.2	Unit 1.1 / 2.2	Unit 1.2 / 2.2	Unit 1.3 / 2.2	Unit 1.4 / 2.2	Unit 1.4 / 2.2
	Course introduction Computer Systems	CPU Translators and Facilities	Von Neumann Architecture Variables Datatypes	Fetch- Decode- Execute Cycle Selection	Memory Iteration	Storage String Manipulation	Network types Arrays	Network performance Functions
Challenge		Harder 'Student Workbook' Questions	Harder 'Exam Style' Questions	Harder 'Theory Notes' Questions	Harder 'Student Workbook' Questions	Harder 'Exam Style' Questions	Harder 'Theory Notes' Questions	Harder 'Student Workbook' Questions
Assessment		Questioning		Unit Test			Questioning	
W/C	HALF TERM	4th November	11th November	18th November	25th November	2nd December	9th December	CHRISTMAS
Topic		Unit 1.4 / 2.2	Unit 1.4 / 2.1	Unit 1.4 / 2.1	Unit 1.4 / 2.1	Unit 1.5 / 2.4	Unit 1.5 / 2.4	
		Client-Server Networks File handling	Network hardware Algorithms (flowcharts)	DNS_IP Searching algorithms	Virtual networks Sorting algorithms	Topologies Computational logic (binary)	Protocols Computational logic (logic gates)	
Challenge		Harder 'Exam Style' Questions	Harder 'Theory Notes' Questions	Harder 'Student Workbook' Questions	Harder 'Exam Style' Questions	Harder 'Theory Notes' Questions	Harder 'Student Workbook' Questions	
Assessment		Questioning			Unit Test	Questioning		

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Justice Term

W/C	6 th January	13 th January	20 th January	27 th January	3 rd February	10 th February	HALF TERM
Topic	Unit 1.5 / 2.4	Unit 1.7 / 2.4	Unit 1.7 / 2.6	Unit 1.7 / 2.6	Unit 1.6 / 2.6	Unit 1.6 / 2.6	
	Packet switching Computational logic (Truth tables)	Operating systems Computational logic (Maths in computing)	Utility software Units, Binary	Operating systems Converting Denary/Binary	Network Security Adding binary	Network Threats Binary shifts	
Challenge	Harder 'Exam Style' Questions	Harder 'Theory Notes' Questions	Harder 'Student Workbook' Questions	Harder 'Exam Style' Questions	Harder 'Theory Notes' Questions	Harder 'Student Workbook' Questions	
Assessment	Unit Test	Questioning		Unit Test	Questioning		
W/C	24 th February	2 nd March	9 th March	16 th March	23 rd March	30 th March	
Topic	Unit 1.6 / 2.6	Unit 1.6 / 2.6	Unit 1.6 / 2.6	Unit 2.6	Unit 2.6	Unit 1.8	
	Malware Converting Denary/Hexadecimal	Preventing Vulnerabilities Check digits	Preventing Vulnerabilities Characters	Images Sound	Compression	Revision Ethical, legal, cultural & environmental concerns	
Challenge	Harder 'Exam Style' Questions	Harder 'Theory Notes' Questions	Harder 'Student Workbook' Questions	Harder 'Exam Style' Questions	Harder 'Theory Notes' Questions	Harder 'Student Workbook' Questions	
Assessment	Questioning		Unit Test	Unit Test			

Subject Long Term Plan Year 10 2019-20

Courage Term

W/C	20 th April	27 th April	4 th May	11 th May	18 th May	HALF TERM
Topic	Unit 1.8	Unit 1.8	Unit 1.8	Year 10 Mock Exams		
	Revision Ethical, legal, cultural & environmental concerns	Revision Ethical, legal, cultural & environmental concerns	Revision Ethical, legal, cultural & environmental concerns			
Challenge	Harder 'Exam Style' Questions	Harder 'Theory Notes' Questions	Harder 'Student Workbook' Questions			
Assessment	Questioning					
W/C	1 st June	8 th June	15 th June	22 nd June	29 th June	6 th July
Topic	Work Experience	Unit 2.3	Unit 2.3	Unit 2.3	Unit 2.3	Unit 2.3
		Practice Programming project Defensive design	Practice Programming project Maintainability	Practice Programming project Testing	Practice Programming project Test data	Practice Programming project Errors
Challenge		By outcome				
Assessment		Practical Task Outcome				