

Subject Long Term Plan Year 10 2020-21

Temperance Term

W/C	7 th September	14 th September	21 st September	28 th September	5 th October	12 th October	19 th October	HALF TERM
Topic	Unit 1.2.3 / 2.1.1	Unit 1.2.4 / 2.2.1	Unit 1.2.4 / 2.2.1	Unit 1.2.4 / 2.2.2	Unit 1.2.4 / 2.2.1	Unit 1.2.4 / 2.2.1	Unit 1.2.4 / 2.2.1	
	Units Computational thinking	Denary – Binary Variables	Binary - Hexadecimal Operators	Binary operations Data types	Characters Sequences	Images Selection	Sounds Iteration	
Challenge	Detailed structure diagram	Harder calculations	Harder calculations	Harder calculations	Complex sequences	Multiple/nested selection	Nested Loops	
Assessment	Q&As / MC quiz	Q&As / MC quiz	Q&As / MC quiz	Q&As / MC quiz	Q&As / MC quiz	Q&As / MC quiz	Q&As / MC quiz	
W/C	2 nd November	9 th November	16 th November	23 rd November	30 th November	7 th December	CHRISTMAS	
Topic	Unit 1.2.5 / 2.2.3	Unit 1.2.3 / 2.2.3	Unit 1.1.3 / 2.2.3	Unit 1.1.1 / 2.2.3	Unit 1.1.1 / 2.2.3	Unit 1.1.2 / 2.4.1		
	Compression Strings	Data capacity Random Number	Embedded Systems Arrays	CPU -function Procedures	V N architecture F-D-E cycle Functions	CPU - performance Boolean Logic		
Challenge	Less common functions	Harder calculations	Implement python dictionary	Explain task	Summarise task	Multiple gates		
Assessment	Q&As / MC quiz	Topic Test	Q&As / MC quiz	Q&As / MC quiz	Q&As / MC quiz	Topic Test		

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Justice Term

W/C	4 th January	11 th January	18 th January	25 th January	1st February	8 th February	HALF TERM
Topic	Unit 1.2.1 / 2.1.2	Unit 1.2.1 / 2.1.2	Unit 1.2.2 / 2.2.3	Unit 1.2.2 / 2.2.3	Unit 1.3.1 / 2.2.3	Unit 1.3.1 / 2.3.1	
	Memory (RAM & ROM) Designing algorithm	Virtual Memory Correcting algorithms	Storage devices File handling	Storage characteristics Records	Network types SQL	Network performance Defensive design	
Challenge	Complex algorithms	Explain task	Error-free implementation	Evaluate task	Compare & contrast task	Evaluate task	
Assessment	Q&As / MC quiz	Q&As / MC quiz	Q&As / MC quiz	Topic Test	Topic Test	Q&As / MC quiz	
W/C	22 nd February	1 st March	8 th March	15 th March	22 nd March	29 th March	EASTER
Topic	Unit 1.3.1 / 2.3.1	Unit 1.3.1 / 2.3.2	Unit 1.3.1 / 2.3.2	Unit 1.3.1 / 2.2.3	Unit 1.3.2 / 2.2.3	Unit 1.3.2 / 2.5.2	
	Client-Server Networks Input Validation	Network hardware Maintainability	The Internet Testing (purpose / types)	Topologies Identifying Errors	Modes of connection Selecting test data	Protocols / layers IDE	
Challenge	Compare & contrast task	Extended answer	Discussion task	Compare & contrast task	Justify task	Explain task	
Assessment	Q&As / MC quiz	Q&As / MC quiz	Q&As / MC quiz	Q&As / MC quiz	Topic Test	Topic Test	

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Courage Term

W/C	19th April	26th April	3rd May	10th May	17th May	24th May	HALF TERM
Topic	Unit 1.4.1 / 2.5.1	Unit 1.4.1 / 2.5.1					
	Security: Threats1 Languages	Security: Threats 2 Compilers & interpreters	Mock Exam Revision	Mock Exam Revision			
Challenge	Compare & contrast task	Explain task	Harder Exam Questions	Harder Exam Questions			
Assessment	Q&As / MC quiz	Topic Test			Exam	Exam	
W/C	7th June	14h June	21st June	28th June	5th July	12th July	SUMMER
Topic	Unit 1.4.2 / 1.6.1	Unit 1.4.2 / 1.6.1	Unit 1.5.1 / 1.6.1	Unit 1.5.2 / 1.6.1	Unit 1.5.2 / 1.6.1	Unit 1.5.2 / 1.6.1	
	Security: Prevention 1 Ethical issues	Security: Prevention 2 Cultural / Environmental	Operating Systems 1 Privacy & Legal	Operating Systems 2 DPA & CMA	Utility Software 1 Copyright & Designs	Utility Software 2 Software licenses	
Challenge	LOR task	LOR task	LOR task	LOR task	LOR task	LOR task	
Assessment	Q&As / MC quiz	Topic Test	Q&As / MC quiz	Q&As / MC quiz	Q&As / MC quiz	Topic Test	