

# Subject Long Term Plan Year 9 2019-20

## Temperance Term

<b>W/C</b>	2 <sup>nd</sup> September	9 <sup>th</sup> September	16 <sup>th</sup> September	23 <sup>rd</sup> September	30 <sup>th</sup> September	7 <sup>th</sup> October	14 <sup>th</sup> October	21 <sup>st</sup> October
Topic	<b>Computing at CFS</b>		<b>Computer Basics 2</b>					
	Login/Passwords	One note, one drive, file organisation	What is a computer, input & output devices	Software and Hardware	Internal parts of a computer	Binary representation (8- bit)	Computer networks (Topologies)	Peer Review / Improvements
Challenge			Less common devices	Utility software	Well-designed poster with detailed information	Adding binary numbers together	Client-Server, Peer-peer	
Assessment			Questioning / Task completion					Socrative Test
<b>W/C</b>	<b>HALF TERM</b>	4 <sup>th</sup> November	11 <sup>th</sup> November	18 <sup>th</sup> November	25 <sup>th</sup> November	2 <sup>nd</sup> December	9 <sup>th</sup> December	<b>CHRISTMAS</b>
Topic		<b>Block programming – Mobile Phone App Project</b>						
		Project Intro: SDLC. Evaluating Apps	Adding components and programming buttons.	Changing properties and adding timing events.	Design and implementation	Testing and evaluation	Peer Review / Improvements	
Challenge		<b>Detailed Review</b>	Wide variety of components	Additional attributes	Customised application	Detailed evaluation		
Assessment		Questioning / Task completion					Socrative Test	

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## Justice Term

<b>W/C</b>	6 <sup>th</sup> January	13 <sup>th</sup> January	20 <sup>th</sup> January	27 <sup>th</sup> January	3 <sup>rd</sup> February	10 <sup>th</sup> February	<b>HALF TERM</b>
Topic	<b>Spreadsheet Modelling – Bob’s Budget Project</b>						
	Entering Data, Datatypes (Input)	User Interface / Formatting	Calculations (Process)	Data validation / Protection	Charts and graphs (Output)	Peer Review / Improvements	
Challenge	Formatting data	Accessible interfaces	Lookup functions	Fully protected and validated spreadsheets	Customising graphs		
Assessment	Questioning / Task completion					Socratic Test	
<b>W/C</b>	24 <sup>th</sup> February	2 <sup>nd</sup> March	9 <sup>th</sup> March	16 <sup>th</sup> March	23 <sup>rd</sup> March	30 <sup>th</sup> March	
Topic	<b>Programming with Python – Games of Chance Project</b>						<b>EASTER</b>
	User input and output	Variables and assignment (Sequences)	Selection	Repeating instructions (Iteration)	Functions and procedures	Peer Review / Improvements Procedures	
Challenge	Formatting output	Python Lists	Nested “ifs”	Loops in loops	“Fully function(al)”		
Assessment	Questioning / Task completion					Socratic Test	

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## Courage Term

<b>W/C</b>	20 <sup>th</sup> April	27 <sup>th</sup> April	4 <sup>th</sup> May	11 <sup>th</sup> May	18 <sup>th</sup> May	<b>HALF TERM</b>
Topic	<b>Web Design – Big Drinks Project</b>					
	Introduction / Planning	Tables, text and images	Adding a video and a contact form	CSS	Peer Review / Improvements	
Challenge	Detailed design	Modifying attributes	Google map	Accessibility		
Assessment	Questioning / Task completion				Socratic Test	
<b>W/C</b>	1 <sup>st</sup> June	8 <sup>th</sup> June	15 <sup>th</sup> June	22 <sup>nd</sup> June	29 <sup>th</sup> June	6 <sup>th</sup> July
Topic	KS3 Internal Exams		<b>Databases – Database Detectives Project</b>			
			Databases Tables	Forms & data entry	Queries /Reports	Peer Review / Improvements
Challenge			Data validation	Custom forms/reports	Complex queries	
Assessment			Questioning / Task completion			