

IT & Computing 7 Year plan - Teaching Topics Y7 to Y13

WK	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	
	CYCLE 1													CYCLE 2													CYCLE 3													
Y7	System basics		Game control + data protection Act + B1 Why are systems attacked										Modelling data– spreadsheet formulae and graphs												Computer theory And desk top publishing +computer misuse act.															
Y8	For	Krakatoa Project – using various software packages – user interface theory.										App development + Threats to data Malware												Modelling Data– analysing data + Threats to data - Phishing						Computer theory/IDea										
Y9	12 week Taster for Btec Digital Information Technology at intervals throughout the year																																							
	Explore user interfaces and assess how they meet user needs GUI.				Create a mood board				Design user interface				Develop a prototype GUI user interface for a touch screen				Refine and Improve prototype of GUI				Theory External Threats																			
Y10	Level 1/2 Btec Tech Award in Digital Information Technology																																							
	Comp 1- LA-A User interfaces theory (<i>External Threats to data – Social engineering</i>)+ coursework								Comp 1 LA_B Plan and look at project methodologies for a prototype of a user interface + theory(<i>Threats to data – Internal threats to data</i>) + coursework								Comp 1 LA_C Evaluate user interface Coursework				Comp 2 LA_A Investigate Role and impact of data on organisations – theory + coursework				Comp2 LA_B Create a dashboard using data manipulation tools				Comp 2 LA_C Review dashboard – evaluating and making recommendations				B1 Threats to data – Impact of security breach							
	B1 Threats to data – why systems are attacked				B2 Prevention and Management of threats to data				B3 Policy								A1 HW				A2 HW																			
Y11	A1 Modern Technologies		A2 Impact of modern Technologies		Summative assessment LA-A		B2 Prevention and management threats to data HW		C1 Responsible use		C2 Legal and ethical		LA-C Summative assessment		D1 Forms of notation		Mock exam full paper.		Exam		Revision		Revision/ Exams																	
Y12	Unit 1 Fundamentals of ICT												Exam Unit 1				Unit 2 Global Information								Exam Unit 2 Global Information				To start Unit 6 & Unit 21 coursework											
Y13	Unit 6 Application design Coursework + Unit 21 Web Coursework												Unit 3 Cyber security																Unit 3 Cyber exam											