



**Subject: Computing**

Year 7		
Wk	Theme	Teaching
1	Horizon network	Familiarisation with Horizon Network Cloud storage/Cloud Computing Office 365
2		
3	Computer Systems	Under the hood Gaming PC Components
4		
5	Computer Systems	Input/Output/Storage Devices
6		
7	Computer Systems/ BBC Micro:Bit Python Programming	Data Types
8		
9	BBC Micro:Bit Python Programming	Sequence
10		
11	BBC Micro:Bit Python Programming	Iteration
12		
13	Networks	Components of modern network
14		
15	Networks	Network security WPA - WEP
16		
17	Networks Security	Malware
18		

Year 7		
Wk	Theme	Teaching
19	Security	Security of devices and data
20		
21	Security	eSafety
22		
23	Algorithms	Key aspects of Algorithms
24		
25	Algorithms	Reading and writing Algorithms
26		
27	Python Programming	Sequence
28		
29	Python Programming	Iteration
30		
31	Python Programming	Selection
32		
33	Python Programming Data representation	Binary table
34		
35	Data representation	Binary/Denary conversions
36		
37	Data representation	Hexadecimal conversions
38		
39	Graphics	Photoshop Skills



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Year 8		
Wk	Theme	Teaching
1	Photoshop	Creativity and photoshop skills
2		
3	CPU	Purpose/features/components of CPU
4		
5	CPU	Von Neuman architecture
6		
7	CPU Environmental issues of technology	Impact of technology on our planet.
8		
9	Environmental issues of technology	Legal issues of technology
10		
11	Memory	Purpose of RAM/ROM/Virtual
12		
13	Storage	Types of storage devices
14		
15	Data representation	Sound/images conversion from analogue to digital.
16		
17	Data representation	7 Bit ASCII Unicode
18		

Year 8		
Wk	Theme	Teaching
19	Data representation/ Must Eat	Types of user Interfaces
20		
21	Algorithms	Algorithms presented as pseudocode and flowcharts.
22		
23	Python coding	Creating a menu in Python
24		
25	Python iteration	Iteration techniques in Python
26		
27	User interface	Create a User Interface
28		
29	Must Eat/ Data Representation	Recap Binary table and conversion to denary
30		
31	Data representation	How are Sound/images converted to digital.
32		
33		7 Bit ASCII Unicode
34		
35	SQL	SQL techniques.
36		
37		SQL search tasks.
38		
39		



**Subject: Computing**

Year 9		
Wk	Theme	Teaching
1	Algorithms	Abstraction Decomposition
2		
3		TraceTables
4		
5		Flowcharts Pseudocode
6		
7	Algorithms/ Python Programming	Data types
8		
9	Python Programming	Variables Constants
10		
11		Iteration
12		
13		Count function
14		
15	Python Programming/ Cyber Security	Malware
16		
17	Cyber Security BBC Micro:Bits	Ethical/Non ethical Hacking
18		

Year 9		
Wk	Theme	Teaching
19	Cyber Security BBC Micro:Bits	Password Security Selection
20		
21		Variables Debugging
22		
23	Cyber Security SQL	Boolean Operators
24		
25	SQL	Queries using Boolean Operators
26		
27		Arithmetic Operators
28		
29	Data Representation	Binary addition
30		
31		Binary Shift
32		
33	Binary/hexadecimal/ Python Programming	Python Data Types recap
34		
35	Python Programming	Python Sequence
36		
37		Iteration
38		
39		Selection