

YEAR 7 - LONG-TERM PLAN

Name of unit	GLH	Unit Summary (Knowledge, Understanding and Skills)	Notes	Range of grades
Logging on and sorting out accounts	1	Ensure IT Tech department have provided complete list of usernames and passwords. Ask for Tech support to be present in case of any missing users		
File Management	2	<ul style="list-style-type: none"> Understand the importance of organising your work and keeping backups 	<p>Only 1 lesson but students need a little more time due to network/new users logons from last lesson + likely to lose some for reading tests</p> <p>1hr QWF + improvement lesson</p>	V1 - 4
E-Safety	2	<ul style="list-style-type: none"> Dangers involved with using the internet and how to stay safe on-line 	<p>IDEA Citizen Badges E-Safety Social Media 1 & 2 Cyber Spies</p> <p>Recommend Bronze award completion – home challenge</p>	iDEA BRONZE
1 hour MCC Assessment lesson + Student improvement				
Binary Bits and Bobs	5	<ul style="list-style-type: none"> Binary/Denary Number conversions Binary addition Text in binary Ascii Images in Binary Sound in Binary 	30 min assessment plus improvement time	V1 - 4
1 hour QWF + 1 lesson Student improvement				
Approximately End of Term 1 (~12hrs)				
Using PowerPoint	6	<ul style="list-style-type: none"> Basic, Intermediate and Advanced PPT topics BCS ECDL Level 2 Standard 	Reintroduction of PPT basics due to lack of skills coming in from primary	BCS Level 2
1 hour QWF + 1 lesson Student improvement				

Programming Constructs	3	<ul style="list-style-type: none"> • IDEs • Variables and Data Types • Modulo, Integer and fractional division • Selection • Error types (Logic and syntax) • For loops and while loops 	<p>Ensure Flowgorithm is install in room before first lesson</p> <p><i>Lots of new concepts for students</i></p> <p>2hr assessment + 1hr improvement time</p>	V1 - 6
2 hour QWF + 1 lesson Student improvement				
Microbit	3	<ul style="list-style-type: none"> • Input/output • Components and sensors • Sequence, selection and iteration • Blockly and MicroPython 	<p>QWF 2hrs +hr Improvement time</p>	V1 - 5
2 hour QWF + 1 lesson Student improvement				
Approximately End of Term 2 (~12hrs)				
Graphics	9	<ul style="list-style-type: none"> • Skill walk through for Draw+ • Basic features – e.g. paint brush, scale and canvas • Intermediate – e.g. Cut out studio and transparency • Advanced – e.g. Exporting, resolution, vector mapping 	<p>Ensure Draw+ is installed and working</p>	V1 - 7
2 hour QWF + 1 lesson Student improvement				
Approximately End of Term 3 ~9hrs)				