

## YEAR 8 - LONG-TERM PLAN

Name of unit	GLH	Unit Summary (Knowledge, Understanding and Skills)	Notes	Range of grades
Back to the Future	6	<ul style="list-style-type: none"> <li>• Ciphers and codes</li> <li>• www, the internet and HTML</li> <li>• Boolean Logic (AND,OR, NOT)</li> <li>• Problem Solving</li> <li>• Revision techniques</li> </ul>	1hr QWF + improvement lesson <b>Lots of new concepts</b>	V1 - 6
<b>1 hour QWF + 1 lesson Student improvement</b>				
Idea Silver Maker Category	3	<ul style="list-style-type: none"> <li>• 5 Badges from foundation (Technology, Graphics, Colours, Image, Design, Problem Solving, Aiming High, Creativity or 100 points</li> </ul>	Silver Award	iDEA Silver
Binary, Hex and Logic	4	<ul style="list-style-type: none"> <li>• Binary review</li> <li>• BIN-DEN-HEX conversions</li> <li>• Binary addition (review) Binary subtraction</li> <li>• Storing images (review) Meta data and file size</li> <li>• Logic and truth tables</li> </ul>	Some review + <b>some tricky new concepts</b>  1hr QWF + improvement lesson	V1 - 6
<b>1 hour QWF + 1 lesson Student improvement</b>				
<b>Approximately End of Term 1 (~15hrs)</b>				
little bit of Python	4	<ul style="list-style-type: none"> <li>• Input and outputs</li> <li>• If, ELSE and ELIF</li> <li>• While and For Loops</li> </ul>	2hr QWF + assessment plus improvement time	V1 - 6
Idea Silver Worker Category	4	<ul style="list-style-type: none"> <li>• 5 badges from foundation (Communication, employability, prioritisation, attitude, aiming high, staying positive, teamwork) or 100 points</li> </ul>	Silver Award	iDEA Silver
<b>2 hour QWF + 1 lesson Student improvement (Python)</b>				
<b>Approximately End of Term 2 ~10hrs)</b>				

Using Word	3	<ul style="list-style-type: none"> <li>• Basic Word Skills (eg page layout)</li> <li>• Intermediate Word Skills (eg Format Painter)</li> <li>• Advances Word Skills )(eg Mail merge)</li> </ul>	BCS Level 2	BCS Level 2
Turtle & Python	3	<ul style="list-style-type: none"> <li>• Review of loops but using turtle</li> <li>• Introduction to lists and functions</li> </ul>	Some review + <b>some tricky new concepts</b>  1hr QWF + improvement lesson	V1 - 7
<b>2 hour QWF + 1 lesson Student improvement (Python Zip grade)</b>				