

Year 8

Timing	Unit Title	Key Question	Knowledge	Assessing Understanding
Autumn Half Term 1	A - DTP	How do I produce work of professional quality?	- Layout – Frames / Flowing / Alignment - New tools – shaped frames / transparency - Rules for professional layout - Fine-tuning and checking work	How understanding is assessed : - Complete a task to a given specification - Lay out and print an accurate, professional looking document Skills - Technical DTP – transparency / shaping - Visual literacy – spotting small errors and correcting them Assessment point information Marks for this work will feed into an Assessment Point BM data will be collected on the accuracy of their work and their ability to spot their own mistakes
	Q – Cyber	What is Cyber?	- Ethical issues in technology - Preparation for Cyberfirst - The four key areas – Encryption, Programming, Networks and Cyber Security	How understanding is assessed : - Progress is monitored in lessons - Onscreen puzzles allow progress check Skills - Altering code - Decrypting text - Find security flaws in websites - Using a CLI interface Assessment point information The puzzle data feeds into an Assessment Point

Autumn Half Term 2	O - SSI	What are the main programming constructs?	• Sequence • Selection • Iteration	How understanding is assessed : • Progress is monitored in lessons • An onscreen test is used for summary assessment Skills • Python skills • Writing sequential code • Writing code with selection elements • Repeating actions using iteration • Using iteration to make similar actions happen Assessment point information The puzzle data feeds into an Assessment Point

Autumn Half Term 2	L - Video Editing	How do I create professional video	• Video Editing Basics (for 2024/5 only) • Crossing the Line • Setting up interview questions • Knowledge of VE techniques	How understanding is assessed : • Progress is monitored in lessons • final videos can be watched Skills • Basic VE skills • Shooting an interview • Merging sources • Editing down for time / problems Assessment point information This feeds into an assessment point
Spring Half term 1	J – SQL 2	How do I query proper databases?	• Basic SQL revision • The four SQL lines of a query • Relational database principles • Searching across tables	How understanding is assessed : • Progress is monitored during lessons • Girls complete a final exercise which will test their ability in the new techniques Skills • SQL searching : ○ Cross-table WHERE lines ○ ORDER BY Ascending and descending order Assessment point information Marks for this work will feed into an Assessment Point BM data will be collected on their progress while working.

	F - Modelling	How do I make my model smarter?	● Revision of Y7 work : ○ Formulae ○ Use of SUM / Average ○ Conditional formatting ○ Named cells ● IF statements and their use	How understanding is assessed : ● An assessed exercise tests their ability in new and revised areas ● Progress is regularly measured during lessons via a series of graded exercises Skills ● Basic modelling skills from Y7 ● Ability to use IF statements to give selected values where necessary ● Use of Conditional Formatting to make the model as easy to use as possible Assessment point information Marks for the final exercise will feed into the Summer AP, as will data from progress in lessons collected throughout the unit.
Spring Half term 2	K – Apps 3	How do I make my Apps more interesting?	● New Unit developing object-based programming	How understanding is assessed : ● Girls complete a final task which demonstrates their skills in the new areas ● Performance is monitored and data collected in lessons as they progress Skills ● Potentially CSS / Javascript skills ● Replacing old Appshed Unit Assessment point information This will be included in the Summer AP

Summer Half term 1	S - Python 2	What other program techniques can I use?	- Parameters - Combining skills	How Understanding is assessed - An online test is used for the main content - The free story allows students to demonstrate further skills they have learned Skills - Using parameters to produce accurate graphics - Combining iteration to employ animation - Research and developing their own skills Assessment Point Information Both the test and story contribute to an assessment point
Summer Half term 2	D - Presentations	How do I present a convincing argument	- Purpose of screen-based presentations - Internet Gurus and their techniques : - Lessig - Takahashi - Godin - TGS Method and rules	How understanding is assessed : - Girls present in pairs, and are assessed by their peers and the teacher Skills - Standard presentations skills : - Eye contact - Speaking - Rehearsal - Technical skills – e.g. timing / obeying the rules / use of colour / consistency Assessment point information Detailed feedback is given to students, which is recorded onto their target sheets.

	X - DIY	How do I learn how to use a new program?	• Specific skills for the chosen package • (this could be anything)	How understanding is assessed : • Progress in the lesson is recorded Skills • Ability to try things out by themselves • Strategies to explore a new program • Ability to quickly assimilate knowledge and skills for a given task Assessment point information BM data will be collected on their progress while working, and fed into an Assessment Point.
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