	Year 7	Pathway 2/3/4	Computing - Term 1

Learning Intention: <u>**Online Safety / Spreadsheets and modelling**</u>

- Viruses, password security and digital footprints
- Harry Plotter

Students will be focusing on these projects to gain an understanding of the importance of online safety. They will then move on to learn and navigate a spreadsheet.

Key knowledge that should be learned during this SoW	All	Most	Some
Concept:	During this unit, students are introduced to a range of ways to use creative software effectively. Students will consider different techniques for customising and improving images. They will use graphics editing software to learn some of the more commonly used techniques in order to 'improve' the images. Use creative solutions to design their own album cover. Be exposed to Electronic waste, which is becoming a world-wide problem as many gadgets, computers and mobile phones are discarded simply because they are not the latest model. It is important that students have an awareness of ICT and technology in the real world. This project provides students with the opportunity to find out about such issues. They undertake their own research and then have to determine which of the information they find is relevant and accurate.		
Knowledge:	**All students will:** - Be able to name at least one way to stay safe online - state what Microsoft Excel is used for	**Most students will:** - be able to give an example of how to stay safe online - Give one consequence of unsafe online practices	**Some Students will:** - able to give an example of unsafe online practice - a consequence of unsafe online practices and provide a

		● keeping it organised and professional looking	method to stay safe online ● Be able to input a basic formula into Microsoft Excel independently
Key Skills:	● To be able to customising and improving images ● Start learn to use use graphics editing software	● Users can become more confident with creative solutions to design their own album cover. ● To learn some of the function in Excel	● Input data into Microsoft excel
Language and/or communication skills:	● Online ● Safety ● Excell ● Design ● Gadgets ● Images	● Virus Protection ● Electronic Waste ● Password ● Digital Footprint	● Firewall ● Hacking
Curricular Links	Links to other learning within the subject are: English- Using the internet to effectively research a topic area and record this information in your own words. PSHCE- Knowing what to do if something they see online is inappropriate and having the confidence to report this to an adult.		

Talking points (Intent)

Students will be focusing on these projects to gain an understanding of the importance of online safety. They will then move on to learn and navigate a spreadsheet.

Implementation

Students will be introduced to online safety and its importance. They will then go onto using a spreadsheet and the different basic functions
Some students will have progressed further and will:

Impact

- Students will start to gain an understanding of online safety
- What can they do to keep themselves safe online
- Learn how to navigate in Excel

-Career Links -