



Year 11

Pathway 2/3/4

Computing - Term 1

Learning Intention: Subject Area: Computing

Project Titles:

- Scratch (units 3&4)
- Using PowerPoint
- Excel - Data Entry

This unit provides students with the opportunity to further develop computer skills in using different software to give them a solid foundation to build future knowledge on.

Students work towards engaging in design, on tasks that span more than just ‘day to day’, and are beginning to strategically plan their own task execution towards the completion of the overall project/s.

Students will work through the unit completing focused activities independently and collaboratively when: using Scratch is used to easily create animations, games, and providing a stepping stone to the more advanced world of computer programming. Along with inputting data and the use of formulas in Excel, to effectively applying creative effects in PowerPoint to enhance a presentation.

Key knowledge that should be learned during this SoW	All	Most	Some
Concept:	All students will: obtain the ability to use their knowledge; breed	Most students may: talk about what they have done before; develop independence in their work.	Some students will have progressed further and will: become

	<p>familiarity with their past work to similar future tasks; be able to perform a number of functions related to computers.</p>		<p>independent quickly; converse well about the task/s; anticipate the next stage; deliver existing/newly acquired knowledge they have that will be beneficial to them in their work. Remember formulas to independently solve problems.</p>
Knowledge:	<ul style="list-style-type: none"> ● Learn Excel some terminology ● How to plan a presentation ● Identify the key content in a presentation and consider it critically 	<ul style="list-style-type: none"> ● Learn Excel terminology ● Build confidence in using certain commands ● Research effectively to find relevant information and be able to transfer the information in a suitable format into a presentation 	<ul style="list-style-type: none"> ● Identify the advantages of spreadsheets ● Analyse information visual/verbally
Key Skills:	<ul style="list-style-type: none"> ● Improve skills on the computer ● Understand what is a spreadsheet ● Input data with support ● When using Scratch programme to practice duplicate background and edit them 	<ul style="list-style-type: none"> ● Input data with some support ● Learn how to write a formula to calculate the total, average, lowest and highest from a range of numbers ● When using Scratch, Create scripts to loop the backgrounds, create sprites, change costumes, and dance to music. 	<ul style="list-style-type: none"> ● Input data independently ● Learn how to annotate the formulas they have written

Language and/or communication skills:	<ul style="list-style-type: none">● Excel● Scratch● Powerpoint● Editing	<ul style="list-style-type: none">● Data● Formulas● Sprite● Background	<ul style="list-style-type: none">● Input● Annotate
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 own words. PSHCE- Knowing what to do if something they see online is inappropriate and having the confidence to report this to an adult.		