

Curriculum Overview: Computing - Year 7

YEAR 7						
	<i>Autumn 1 (Sept – Oct)</i>	<i>Autumn 2 (Nov – Dec)</i>	<i>Spring 1 (Jan – Feb)</i>	<i>Spring 2 (Mar – Apr)</i>	<i>Summer (May – Jun)</i>	
Topic Title	Digital literacy: Staying safe online. The nature of technology: Storing Digital Data.	The nature of technology: Storing Digital Data. Computational thinking: Programming Languages.	Programming: It all adds up	Multimedia: Make a podcast	Numbers and data: Business data table.	
Key Skills and Content	<ul style="list-style-type: none"> • Data & Dangers online. • Cyberbullying. • Use content responsibly and give credit. • Digital Data. • Read binary numbers. • Add in binary. 	Convert decimal to binary, and binary to decimal. Digital Text, Numbers, Sounds and Images. Input and output in Python. Source code and machine code. Making python programs.	<ul style="list-style-type: none"> • Logical tests. • Conditional Loops. • Readable and user friendly programs. 	<ul style="list-style-type: none"> • Planning a podcast • Digital audio recording. • Completing and sharing a podcast. • Receiving feedback and improving a podcast. 	<ul style="list-style-type: none"> • Collecting product data. • Data types and formats • Performing calculations with data. • Showing bad data & blocking bad input. 	

Summative Assessment	End of Unit Test	Make a Python program.	Make an advanced, readable and user friendly Python program	Make a podcast.		<ul style="list-style-type: none"> ● End of Unit Test ● Summative Test