



SUBJECT	Computing		YEAR	9
<p>Why do we study Computing? Students will be able to develop, maintain, and use computer systems, software, and networks for the processing and distribution of data.</p>				
What you will learn this year	What you have learned before	Where you can read more		
Python				
Applying knowledge of advanced selection Advanced iteration Use of functions and need for functions Application of computational thinking	Advanced application and knowledge of selection Advanced use of variables and number operators Basic iteration Application of computational thinking			
Games Development				
Applying knowledge of saving files Application of computational thinking Creation of games Creation of storyboard	Advanced application and knowledge of selection Advanced use of variables and number operators Basic iteration Application of computational thinking Use of Visualisation Diagrams			
Sound Editing				
Knowledge of how to edit and manipulate sound How to add sound effects Knowledge of how sound is represented on a computer	Basic knowledge of binary Knowledge of memory Knowledge of how images are represented on a computer			
Cyber Security				
Application of the computer misuse act to a particular scenario Greater understanding of computer legislation How computers communicate through networks	Basic knowledge of the computer misuse act Knowledge of what makes a strong password Understanding basic binary			
Animation				
Drawing advanced pixel art Advanced knowledge of keyframes Drawing of visualisation diagrams	Drawing of basic pixel art Knowledge of keyframes Basic knowledge of visualisation diagrams			
Employability Project				
Consolidation and application of all learning within KS3	All learning across KS3			