



SUBJECT	Computing		YEAR	8
<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		
Understanding Computers				
Applying knowledge of saving files Understanding the concept of binary Basic knowledge of memory Basic knowledge of PC Components Basic knowledge of the fetch-decode-execute cycle	Know how to save files appropriately Basic understanding of Pixel Art			
Spreadsheet Modelling				
Applying knowledge of saving files Basic formulae and functions Advanced selection within Spreadsheets How data can be represented	Know how to save files appropriately Basic knowledge of memory Understand number operators and use them appropriately Introduction to basic selection			
Digital Imaging				
Applying knowledge of evaluation Understanding the need for a Visualisation diagram Creation of Digital Media Understanding how images are represented on a PC	Creating basic pixel art Basic knowledge of memory Understanding the concept of binary			
HTML + CSS				
Creating links, consolidation of basic HTML tags. Application of head and body tags Editing colour gradients and using DIV tags	Introduction to basic HTML tags Understanding the need for head and body Changing colours and fonts, using and editing existing classes and styles			
Python				
Advanced application and knowledge of selection Advanced use of variables and number operators Basic iteration Application of computational thinking	Use variables appropriately Understand number operators and use them appropriately Introduction to basic selection Recall definition of iteration Knowledge of computational thinking			
Quiz Quest				
Applying knowledge of saving files Creation of multimedia products Evaluation and planning skills	Saving files appropriately Basic knowledge of memory Evaluation skills			