Computing

Programme of Study	Year 6 Milestones
Algorithms and Programming	I can use a sequence of selection statements in a programme, (including an IF then ELSE statement) (P)
	Know the difference between, and use appropriately IF and IF THEN ELSE statements (P)
	I can use a variable and relational operators within a loop (P)
	I know that a procedure can be used to hide detail within a sub solution (procedural abstraction) (P)
	I know that different solutions exist for the same problem (A)
	I can design solutions by decomposing a problem and creating a sub-solution for each part (decomposition)(A)
	Use Diagrams to express solutions (A)
	Use logical reasoning to predict outputs, showing an awareness of inputs (A)
Data and Data Representation	Analyse and Evaluate data and information, and recognise that poor quality data leads to unreliable results, and inaccurate conclusions
	Perform more complex searches for information, for example using Boolean and relational operators
	Define Data types: real numbers and Boolean
Hardware and Processing	Know that computers collect data from various input devices, including sensors and application software
	Understand the difference between hardware and application software, and their roles within a computer system
	Understand why and when computers are used
	Understand the main functions of the computer operating system
	Know the difference between physical, wireless and mobile networks
Communication and Networks	Know how to effectively use search engines, and know how search results are selected
	Show responsible use of technologies and online services, and I know a range of ways to report concerns
	Select, combine and use internet services
Information Technology and Use of Applications	Make Judgements about digital content when evaluating and repurposing for a given audience
	Know the audience when I am designing and creating digital content
	Understand the potential of information technology for collaboration when computers are networked.

In			
	Tec	At	Use criteria to evaluate the quality of solutions, identify improvements, making some refinements to their solutions