

COMPUTING

CODING

National Curriculum Objectives

- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- understand computer networks including the internet; how they can provide multiple

Key vocabulary

object	output	control	event
program	code	system	simulate
variable	command		
Substantive- Subject Knowledge		Bigger Picture- Supporting Words	



Intent	Student
Can I explain coding language such as Object, Action, Output, Control and Event?	
Can I use a 2Chart to represent a sequential program design?	
Can I design and write a program that simulates a physical system?	
Can I introduce selection in my programming by using the if command?	
Do I understand what a variable is in programming?	
Do I know what debugging means?	