

COMPUTING

SIMULATIONS

National Curriculum Objective

- 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



Key Vocabulary

computer	effect	virtual	simulate	solving
simulation	evaluate	advantage	test	mouse
explore	analyse	problem	predict	replicate
Substantive- Subject Knowledge		Bigger Picture- Supporting Words		

Intents	Student
Can I explain what a simulation is?	
Can I explain the effectiveness of a simulation?	
Can I analyse and evaluate information linked to a simulation?	
Can I discuss the advantages and disadvantages of a computer simulation?	
Can I identify patterns and predict outcomes of given simulations?	