

Phase: 3/4

Subject: Computing

Focus: Simulations

Term: Summer

What I should already know?

What it means to simulate something

You will probably have experienced some type of simulation

Knowledge— Computing

To consider what simulations can be used for. Explore a simulation and develop a new understanding of a topic or scenario.

Learn to evaluate a simulation—picking up on the good and bad points and how they may be improved.

Vocabulary

	<u>Vocabulary</u>
IRL	An acronym that means In Real Life
User interface	How someone interacts with the simulation—are the buttons easy to navigate?
Computer	The hardware that runs a series of programs—It consists of inputs, outputs, storage, RAM (Random access memory), CPU (Central processing unit), GPU (Graphics processing unit) and a power source.
Low risk	When the chance of something problematic happening is reduced.
Evaluated	When something is tried and tested against stated design to see if it is worthwhile and how beneficial it is.

By the end of the unit I should know...

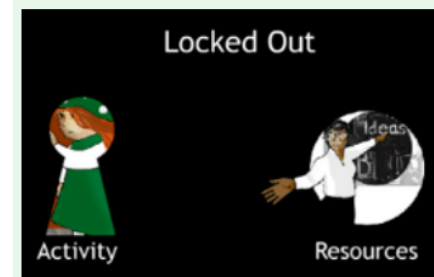
The role that simulations play within our modern day society.

How we can use simulations to improve our understanding of the world.

Understand what can and can't be simulated.



2Simulate main screen



Locked Out
A lively dog causes problems for Mariza, her baby brother Sam and her mum.



The Dark Side of Elpmis
Trainee astronauts get ready for a mission to the planet Elpmis.

