

## Key Vocabulary

|                   |                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Analysis</b>   | A detailed examination of something.                                                                                                  |
| <b>Decision</b>   | The act or result of making a choice after careful thought.                                                                           |
| <b>Evaluation</b> | To judge the value, condition, or effectiveness of something.                                                                         |
| <b>Modelling</b>  | The act of representing something, often on a smaller scale.                                                                          |
| <b>Simulation</b> | A program that models a real-life situation. They let you try things out that would be too difficult or dangerous to do in real life. |

## Simulation Examples:



## Important icon

2 Simulate



The Dark side of Elpmis



## Key Questions

Are there any problems with simulations?

Simulations are often too simple; and unexpected problems can still occur in real life that are difficult to simulate. Simulations can also be very expensive.

What is a computer simulation?

A program that models a real-life situation. They let you try things out that would be too difficult or dangerous to do in real life.

What kind of simulations are there?

Some simulations represent dangerous situations for training such as flying in space, carrying out medical operations or piloting an aeroplane. Others simulate activities for fun, such as racing simulations.

## Fun Facts:

- The world's first video game was a tennis game simulation (1958).
- In 1974 'Maze War' began experimenting into 3D gaming

