

St George's Central CE Primary School and Nursery

Computing Y3/4 – What happens if...?

What will we learn:

- To consider what simulations are.
- To explore a simulation.
- To analyse and evaluate a simulation.

Prior Learning

In Y1/2 I learnt:

- To use the Search tool to find information.
- To use yes/no questions to separate information.
- To use a database to answer more complex search questions.

Resources that are going to help me achieve my learning.



Future Learning in Year 5/6

To be introduced to 2Design and Make and the skills of computer aided design.

To explore the effect of moving points when designing.

To understand designing for a purpose.

To understand printing and making.

Vocabulary

Computer Simulation	A computer simulation is 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.
Model	A computer-based model is a computer program that is designed to simulate what might or what did happen in a situation
Analyse	To examine (something) methodically and in detail, typically in order to explain and interpret it.
Investigate	To carry out research or study into a subject, problem or situation

Fun Facts:

- A simulation is a way of seeing a thing happen without it actually taking place in the same way. A simulation can be used to predict what might happen without doing it, in case it is dangerous or too expensive or difficult. It can also be used to show people what will happen next, or what happened in the past. It can also show what people believe is happening in a place or time where it is impossible to know what really happens.
- Simulations are used for many purposes, because in a simulation things can be controlled that might not be easy to control in real life. They can use smaller versions of an object or system for testing or practice. Smaller versions of things, like space ships or rooms, can simulate the real thing.
- One type of video game is called simulator games". These games let the player simulate doing different things. For example, in the game Theme Hospital, players perform simulated surgery. SimCity lets players design and build their own simulated city.

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