

## Summer 2 Year 5 – Selection in Quizzes

### Computing Concepts



Presentation

**Presentation**  
Expressing ideas



Systems

**Systems**  
Knowing how to create and use programmes



Digital world

**Digital World**  
Knowing how to use a range of technology

### 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
- select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

### Learning Overview

Learners will develop their knowledge of ‘selection’ by revisiting how ‘conditions’ can be used in programming, and then learning how the ‘if... then... else...’ structure can be used to select different outcomes depending on whether a condition is ‘true’ or ‘false’. They represent this understanding in algorithms, and then by constructing programs in the Scratch programming environment. They learn how to write programs that ask questions and use selection to control the outcomes based on the answers given. They use this knowledge to design a quiz in response to a given task and implement it as a program. To conclude the unit, learners evaluate their program by identifying how it meets the requirements of the task, the ways they have improved it, and further ways it could be improved.

Lessons will cover:

- Exploring conditions
- Selecting outcomes
- Asking questions
- Planning a quiz
- Testing a quiz
- Evaluating a quiz