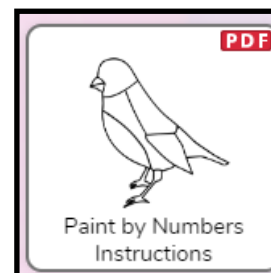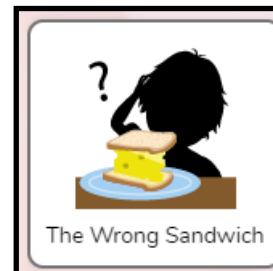# Year 1 Computing: *Lego Builders* (Computer Science)

Prior Learning (Coding and Maze Explorers units)

- I know that computers follow instructions.
- I can create an algorithm.
- I know that instructions need to be followed in order.

Sticky Knowledge

- I know that a computer needs clear, exact instructions and can talk about what happens when they are incomplete.
- I can follow and create simple instructions on the computer.
- I can talk about how the order of instructions affects the result.
- I understand what 'debugging' is when writing programs.
- I can save and retrieve my work.
- I can use the correct vocabulary when talking about my learning.

Paint Projects

The Wrong Sandwich

Paint by Numbers Instructions

Key Vocabulary	
algorithm	A precise, step-by-step set of instructions used to solve a problem or achieve a goal.
code	Instructions that are entered into computer that make the computer perform in a certain way.
computer	An electronic device for storing and handling data.
debugging	To find and remove mistakes in a program.
instructions	Detailed information about how something should be done.
program	An algorithm that has been coded into something that can be run by a machine. E.g. a computer or robot.