

Programming

Learning

- ✓ To understand that an algorithm is a process that consists of a series of steps that achieves a specific goal
- ✓ To understand algorithms can describe everyday activities and can be followed by humans and computers
- ✓ To understand that algorithms are made up of steps
- ✓ To know that steps can be repeated
- ✓ To understand that computers need more precise instructions than humans do
- ✓ To use digital drawing tools (Scratch) to create images
- ✓ To program a simple animation involving movement
- ✓ To write a simple program that produces an output (text)
- ✓ To combine images and text to create a simple animation

Key Vocabulary

algorithm	A set of steps to finish a task
instruction	How something should be done
sequence	A particular order to follow
program	An algorithm that has been written in a language (coded) that a computer can understand
repeat	The action of doing something over and over again
test	Run a program to see if it does what you expect it to do
debug	Finding and fixing problems with an algorithm or a program

Programming

Key Questions

What is an algorithm?



A set of instructions that are followed to achieve a task

How do we give computers instructions?



In 'code'. Instructions given in a language computers can understand

What does debug mean?



Fixing problems in computer programs

Which Scratch blocks would you use to repeat an action?

