

What should I already know?

- To predict what will happen for a simple sequence of instructions (algorithm).
- To investigate how algorithms work.
- To make an algorithm/program to achieve a simple outcome.
- To improve a simple algorithm by identifying basic errors (bugs) and correcting (debugging).

Computing Skills:

- To predict what will happen in an algorithm using logical reasoning.
- To investigate the way algorithms, need precise, unambiguous instructions to work.

Key Vocabulary and Definitions:

Algorithm	A process or set of rules to be followed in calculations or other problem-solving operations, especially by a computer.
Drawings & Diagrams	Made by hand using a medium like pencils.
Editing	Revisiting our work and looking for marvelous mistakes.
Instructions	A direction or order.
Logic	It's a bit like reasoning.
Reasoning	The action of thinking about something in a logical, sensible way.
Precise	The quality, condition, or fact of being exact and accurate.
Predict	To say or estimate what will happen in the future or will be a consequence of something.
Problem Solving	The process of finding solutions to difficult or complex issues.

Teaching Sequence

1. To predict what will happen in an algorithm using logical reasoning.
2. To investigate the way algorithms, need precise, unambiguous instructions to work.