

Kit’s Computing: Mastering Algorithms

Learning objective: To understand and define key terminology relating to algorithms, decomposition, and debugging for Year 5 Computing.

Key Vocabulary

Use this vocabulary that to help you understand the logical steps behind computer programming. The terms are grouped into three categories: 'Building Blocks', 'Problem Solving', and 'Refining Your Code'.

Algorithm A precise, step-by-step set of inst...	Decomposition The process of breaking a c...	Sequence The specific order in which instruc...
Selection A decision-making step where the...	Iteration Repeating a specific set of instructi...	Variable A placeholder used to store informa...
Input Data sent to a computer system, such ...	Output The information or action produced b...	Bug An error, flaw, or fault in a computer pro...
Debugging The systematic process of findin...	Logical Reasoning The ability to predict wh...	Efficiency Achieving the desired outcome us...
Syntax The set of rules that defines the struc...	Flowchart A visual diagram representing an...	Program A collection of algorithms and data...
Explain why dec...	Compare and con...	Justify your ans... Is it better for an algorith...
What might happ...	If a program is c...	Design an algorith...