Kit’s Code-Cracking Adventure

Learning objective: I can understand what an algorithm is and how to spot a bug in a sequence of instructions.

About 15 minutes. Grown-up tip: Ask your child to explain how they would give instructions to a robot to brush its teeth.

Key Vocabulary

Read the Word Mat below to help you understand how to write a computer program. A program is just a set of instructions. Think of it like a recipe for a cake! If you miss a step, the cake might go wrong. This is called a 'bug'. To fix a bug, you must 'debug' your work. Look at the example below:

Example: To make a sandwich: 1. Get bread. 2. Spread butter. 3. Add cheese. (This is an algorithm).

Explain in your o…	**If Kit writes code …**	**Why is it importa…**
Write a short 'se…	**If a robot is progr…**	