Mastering the Logic of Coding

Learning objective: I can understand key coding terminology and use computational thinking to debug and design algorithms.

About 15 minutes. Grown-up tip: Ask your child to explain how they would give instructions to a 'robot' to make a sandwich.

Key Vocabulary

Use this vocabulary mat to help you understand how computers process instructions. When you see a problem, remember that an algorithm is just a step-by-step plan. For example, if you want a robot to make a cup of tea, your algorithm would be: 1. Fill kettle, 2. Boil water, 3. Place bag in mug, 4. Pour water. If the robot pours water before the bag is in, that is a 'bug' that needs 'debugging'.

Explain the differ…	**If you were writin…**	**Why do program…**
Write a simple 'C…	**Which term descr…** Sequence, Iteration, or…	