Detective Kit’s Guide to Digital Debugging

Learning objective: I can identify, explain, and correct errors in computer programs.

About 15 minutes. Grown-up tip: Encourage your child to explain their thinking out loud, as verbalising the problem often helps them spot the error.

Key Vocabulary

Use this mat to help you hunt for bugs in your code. Debugging is the process of finding and fixing mistakes so your programme runs correctly.

Example: If your robot programme moves forward when it should turn left, this is a 'logic error'. You must identify the incorrect command, delete it, and replace it with the correct one.

Explain the differ…	**Kit writes a progr…**	**Why is decompos…**
If a programme h…	**Imagine a progr…**	