

Kit's Clever Debugging Guide

Learning objective: To identify and fix errors (bugs) in a set of instructions or a computer program.

Kit the fox needs your help! Read the instructions below. Look for the mistake, explain how to fix it, and tell us how you know it is right. Use the word bank to help you write your sentences.

Kit wrote a set of instructions for his robot to make a sandwich, but the robot put the butter on before taking the bread out of the bag!

Word bank: bug · debug · error · fix · step · because · first · then · after that · finally

1. What is the 'bug' in Kit's instructions? Start your sentence with: The bug in the instructions is... (2 marks)

2. How can you fix this error? Start your sentence with: I would fix the error by... (2 marks)

3. Why is it important to test your code? Start your sentence with: It is important to test code because... (2 marks)

4. How do you feel when you successfully debug a program? Start your sentence with: I feel... (2 marks)

Extension challenge: Can you write your own set of 3 steps to brush your teeth, but include one silly 'bug' for a friend to find?