

Kit's Computing Corner: Finding Bugs

Learning objective: To understand what a 'bug' is in computing and learn how to fix (debug) simple errors in a sequence of instructions.

Kit the Fox has written some steps to help his friends. Sometimes he makes mistakes! Use your detective skills to find the bugs and fix them. Read each step carefully.

A bug is a small mistake in your computer code. When you find the mistake and fix it, we call this debugging. Always check your steps in the right order!

Word bank: bug · debug · sequence · error · code · instructions

1. Kit wants to make a sandwich. He wrote these steps: 1. Put jam on bread. 2. Eat the sandwich. 3. Get the bread out of the bag. Which step is in the wrong place? Why? (2 marks)

2. Look at the steps in Question 1. Write the correct order for Kit so he can make his sandwich properly. (2 marks)

3. What do we call the act of finding and fixing a mistake in a set of instructions? (1 mark)

4. Kit tried to draw a square, but he said: 'Draw a line, turn, draw a line, stop.' Is this a bug? Explain your answer. (2 marks)

Draw: Draw a picture of a funny 'bug' that might be hiding inside a computer, then draw a 'tick' symbol next to it to show it has been fixed.



Extension challenge: Think of a simple task you do every morning, like brushing your teeth. Write 3 steps for this task. Can you add a deliberate 'bug' for a friend to find?