

Kit's Clever Coding Guide

Learning objective: To explain how to create a simple computer program using instructions.

Read the sentences below. Use the word bank to help you complete the writing frame. Think about how Kit the fox solves problems step-by-step.

To create a computer program, we must write a clear list of instructions called an algorithm.

Word bank: first · next · then · finally · algorithm · debug · sequence · repeat

1. What is the first step when you start writing your code? Start your answer with: First, I need to... (2 marks)

2. How do you make sure your instructions happen in the right order? Start your answer with: Next, I will put my steps in a... (2 marks)

3. What should you do if your program does not work? Start your answer with: If there is a mistake, I need to... (2 marks)

4. How do you finish your program? Start your answer with: Finally, I will check that... (2 marks)

Extension challenge: Can you write a short list of instructions (an algorithm) for a friend to follow to make a jam sandwich?