

Kit's Clever Algorithm Planner

Learning objective: To understand how to design a clear, step-by-step algorithm to solve a problem.

Hello! Kit the fox needs your help to plan a sequence of instructions. An algorithm is a list of steps to finish a task. Follow these steps to write your own:

1. Choose a simple task, like making a sandwich or brushing your teeth.
2. Write the steps in the correct order.
3. Use short sentences.
4. Check if someone else can follow your steps to finish the task.

Word bank: Algorithm · Sequence · Step · Order · Instruction · Start · Finish · Problem

1. What is the name of the task you want to complete? (1 mark)

2. List the steps for your algorithm here. Remember to put them in the right order. (3 marks)

3. What is the very first step you must do to start the task? (1 mark)

4. What is the last step to show the task is finished? (1 mark)

Extension challenge: If you swapped two steps in your list, would the task still work? Write 'yes' or 'no' and explain why.