

Kit the Fox's Robot Breakfast Adventure

Learning objective: To understand that an algorithm is a sequence of instructions used to complete a task.

Kit the Fox is teaching his robot, Beep-Bot, how to make a bowl of cereal. An algorithm is a set of steps in the right order. Look at the steps below and number them from 1 to 5 to show the correct order for making breakfast. Then, draw a line to match each instruction to the correct picture (imagined).

Word bank: Bowl · Cereal · Milk · Spoon · Sequence · Algorithm

1. 1. Put the bowl on the table. 2. Pour the cereal into the bowl. 3. Pour the milk over the cereal. 4. Pick up the spoon. 5. Eat the breakfast. If we swapped step 1 and step 5, would the robot be able to eat? Why? (2 marks)

2. What do we call a set of steps that help us solve a problem? (2 marks)

3. Can you name one other thing you do at home that follows a sequence of steps? (2 marks)

4. If the robot forgot to pour the milk, what would the cereal taste like? (2 marks)

5. Why is it important to follow the steps in the right order? (2 marks)

Draw: Draw a picture of Kit the Fox showing Beep-Bot how to brush his teeth by drawing three simple boxes for the steps: 1. Put paste on brush, 2. Brush teeth, 3. Rinse with water.

A large, empty rectangular box with a thin black border, intended for a drawing. It occupies the upper half of the page below the instructions.

Extension challenge: Try to write a 3-step algorithm for how you get ready to go outside for playtime. Use simple pictures or words to show the sequence!