

Kit's Coding Adventure: Sequencing the Steps

Learning objective: To understand that coding involves following a sequence of instructions to achieve a goal.

Kit the fox wants to help his forest friends get to their destinations. Look at the code blocks below. Number the boxes from 1 to 4 to show the correct order Kit should follow to help his friends move safely.

Word bank: Start · Move Forward · Turn Right · Stop

1. Kit needs to reach the hollow log. Sequence: 'Start', 'Move Forward', 'Move Forward', 'Stop'. Which instruction comes first? (2 marks)

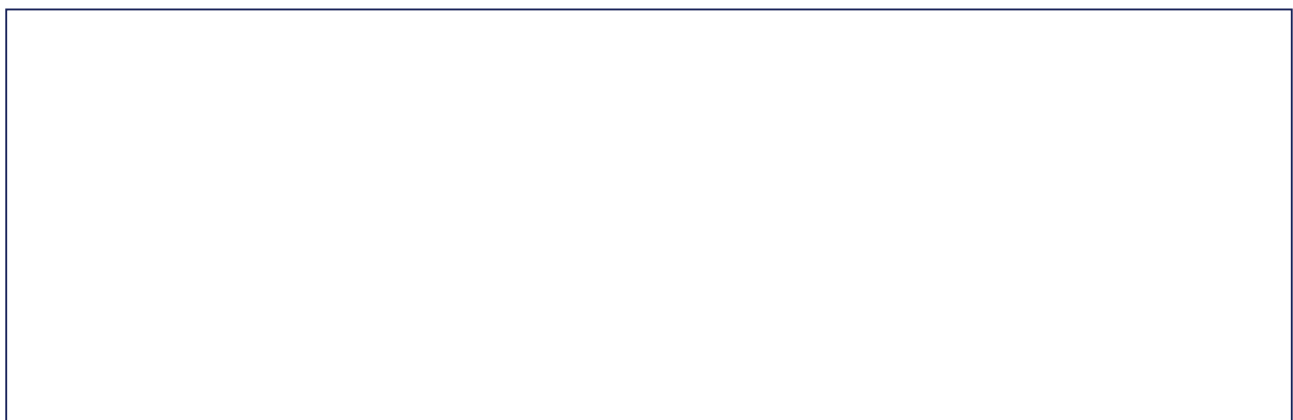
2. If Kit makes a mistake in his sequence, does he reach the log? Why might he need to re-order his steps? (2 marks)

3. Can you think of one other instruction Kit could use to reach the log if a bush is in his way? (2 marks)

4. Why is it important to press 'Start' before the other code blocks? (2 marks)

5. If Kit uses 'Move Forward' twice, how many steps does he take in total? (2 marks)

Draw: Draw a path for Kit the fox to follow. Include a 'Start' flag at the beginning and a 'Goal' sign at the end. Draw arrows on the path to show which way Kit needs to move.



Extension challenge: Ask a partner to act as a robot. Give them simple verbal instructions like 'take one step forward' or 'turn to the left'. See if they can follow your sequence exactly!