

Max's Magnificent Maths-Instruction Manual

Learning objective: To write clear, sequential instructions using imperative verbs, fronted adverbials, and precise technical vocabulary.

Max the monkey needs your help! He has invented a new machine to sort his collection of shiny pebbles, but he has forgotten how to operate it. Your task is to write a set of instructions so that anyone can use his invention. Use imperative verbs (e.g., 'Rotate', 'Select', 'Calculate') and ensure your steps follow a logical, chronological order. Remember to include a list of required items and a safety warning.

Word bank: Chronologically · Imperative · Precision · Mechanism · Component · Sequence · Consequently · Subsequent · Calibration · Procedure

1. Title and Introduction: Create a catchy title for your machine and write a brief, persuasive paragraph explaining what the machine does and why it is useful. (3 marks)

2. Equipment List: List the specific items, tools, or materials required to operate the machine. Use bullet points for clarity. (2 marks)

3. Safety Precautions: Write a 'Safety First' section. Explain why it is important to follow these rules using formal, authoritative language. (3 marks)

4. Step-by-Step Instructions: Write the main procedure. Ensure you use imperative verbs and fronted adverbials (e.g., 'Carefully insert...', 'Next, rotate the dial...'). (5 marks)

5. Troubleshooting Guide: Explain what a user should do if the machine stops working. Justify why these steps are necessary. (4 marks)

6. Reflective Analysis: Compare your instructions to a recipe. How are they similar in structure, and why is precision vital in both formats? (4 marks)

Extension challenge: Imagine the machine develops a fault. Write a short 'Problem-Solving' paragraph explaining how you would adapt your instructions to fix a specific mechanical error. Use the phrase 'What might happen if...' to predict the consequences of skipping a step.