

Max's Mechanical Masterpiece: Designing a Contraption

Learning objective: To use imperative verbs and chronological organisation to create a clear set of instructions for a technical drawing.

Max the monkey has designed a new machine to help gather fruit from the highest branches. Look at the drawing space below. Your task is to draw Max's 'Fruit-Picker 3000' and write a short, numbered set of instructions to explain how it works. Use the word bank to help you label your diagram clearly.

Draw: Draw a large, mechanical invention in the centre of the space. The style should be a technical blueprint or a neat pencil sketch with clear lines. Include an 'extendable arm' reaching upwards, a 'collection basket' at the bottom, and visible 'gears' on the side. Ensure there is enough white space around the machine to add your labels and numbered instructions.



Label words: lever · pulley · extendable arm · collection basket · pivot point · gears · base · cushioned grabber

Steps:

1. Write a title for your invention at the top of the page.
2. List three imperative (bossy) verbs you could use in your instructions (e.g., Pull, Twist).
3. Why is it important to use a numbered list for instructions rather than a paragraph?

4. Label your drawing using at least four words from the word bank.
5. Write a brief warning note to include on your diagram to ensure the user stays safe.