

Max's Magnificent Contraption: Designing Instructions

Learning objective: To use imperative verbs, technical vocabulary, and logical sequencing to create a visual instructional guide for a mechanical invention.

Max the monkey is designing a 'Banana-Peeling-O-Matic' machine to help his friends in the jungle! Use the space below to draw the machine and label the parts. Then, complete the steps to explain how it functions.

Draw: Draw a large, complex mechanical invention in the centre of the page. The style should be a technical 'blueprint'—use clean, sharp lines and include arrows pointing to specific components to show how they move. Include a small corner box for a 'Safety Warning' symbol.



Label words: Lever · Piston · Chute · Gears · Imperative verb · Mechanism · Sequence · Safety guard

Steps:

1. Label your drawing by identifying three distinct parts of your machine using the provided word bank.
2. Write a numbered list of three instructions for how to use your machine. Ensure each instruction starts with an imperative verb (e.g., 'Rotate', 'Insert', 'Press').
3. Explain why it is important to include a 'Safety guard' in your design. Consider the potential risks of moving parts.
4. Compare and contrast your machine with a manual method of peeling a banana. Which is more efficient

and why?

5. What might happen if your instructions were written in the wrong chronological order? Justify your answer.
6. Design a small 'Warning' sign for your machine. What specific symbol or short, punchy imperative sentence would you include to keep the user safe?