

Max's Design Technology: My Prototype Plan

Learning objective: To understand what a prototype is and how to plan a simple design.

Hello! I am Max the monkey. I love solving puzzles! Today, we are going to be inventors. A prototype is a first version of an idea. Use this sheet to plan your own invention. Read each box carefully and write your ideas in the space provided. If you get stuck, look at the word bank at the bottom!

Word bank: prototype · design · materials · problem · solution · improve · test · idea

1. The Problem: What is the problem you want to solve with your invention? (2 marks)

2. My Idea: What does your invention look like? Describe how it works. (3 marks)

3. Materials List: What items will you use to build your prototype? (Think about things like card, tape, or string). (2 marks)

4. The Test: How will you check if your prototype works properly? (2 marks)

Extension challenge: If you had £5 to spend on your project, what would you buy to make your prototype even stronger? Write one item you would choose.