

Max's Design Challenge: Making a Prototype

Learning objective: To explain the purpose of a prototype and describe how to build a simple model.

Max the monkey is designing a new toy. He wants to make a prototype first. Use the writing frame below to explain your own design idea. Use the word bank to help you.

A prototype is a simple model that helps us test our ideas before we make the final version.

Word bank: prototype · model · test · improve · first · then · because · materials · design

1. What are you planning to design? My design is... (2 marks)

2. Which materials will you use to make your prototype? I will use... (2 marks)

3. How will you build your prototype? First, I will... Then, I will... (3 marks)

4. Why is it important to test your prototype? I need to test it because... (2 marks)

Extension challenge: If your prototype does not work the first time, what could you change to make it better?