

Max's Strong Structure Challenge

Learning objective: To identify and test how different shapes and materials make a structure strong and stable.

Max the monkey is building a new home. Help him plan his structure by answering the questions below. Use the word bank to help you write your sentences.

Word bank: strong · stable · triangle · square · cardboard · tape · base · weight

1. My Structure Plan: What will you build for Max? Describe what your structure will look like. (2 marks)

2. Choosing Materials: Which materials will you use? Explain why these materials are good for building. (2 marks)

3. Making it Stable: How will you make sure the bottom of your structure stays still? (2 marks)

4. Testing: How will you test if your structure is strong enough to hold a toy? (2 marks)

Extension challenge: Can you draw a picture of your structure below? Label the parts that make it strong.