

Curious Kids!

citylibraries



Paper Cup Pyramid - Challenge Sheet

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The Challenge for all Curious Kids

- Let's be engineers today. An engineer designs, invents, makes and builds structures and machines like roads, computers, your house, bridges, cars, toys.
- Let's be curious about building a pyramid.
- Can you build a pyramid as tall as you?

2

What do we need?

- Paper cups
- Measuring tape
- Pens, paper, scissors, sticky tape, glue

3

Explore & Create

- How tall are you? Use the measuring tape to find how tall you are.
- Build your pyramid:
 - Use the paper cups to make a structure as tall as you. Keep measuring.
 - If it falls, start again. Keep trying. Ask for help. How did you do that?
 - Maybe think how you can change the structure? More cups on the base? Could paper help stabilise it? Maybe a different shape structure?

4

Question to Ask & Words to Use

- How did you do that? Tell me what happened.
- What other choices do you have? What do you think? Can you improve it?
- High, low, tall, short, engineer, design, shape, pyramid, triangle, options

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Show & Share

- Show a friend your paper cup structure.
- How high did it get? What did you discover?