



Cylinder Structures Downloadable Instructions

What You Need:

- Paper - (notebook, cardstock, printer paper - whatever you have on hand)
- Tape
- Books

Objective: Engineer a tower with a piece of paper - into a cylinder and taped to secure its shape - and as many books as you want to stack on top of it.

The Science Behind It: The cylinder is the strongest geometric shape because the weight placed on it is evenly distributed across the arc.

Investigate: Test out your tower to see how many books you can stack on top of your paper cylinder. Challenge yourself to build a second and third story to your tower using more paper cylinders.