



**DESIGN
CHALLENGE**

PAPER TABLE

Introduction

o We depend on strong, supportive structures everyday. We use our desks to complete our school work and to hold things. We use the lunch tables to support our food. We use countertops for cooking.

Design Brief

- o **Problem:** Supportive tabletops are used throughout our day. How can you create a supportive table that can hold a heavy book?
- o **Criteria:** Design a tabletop that will successfully hold a heavy book.
- o **Constraints:**
 - o You will design and build a table out of newspaper tubes.
 - o The table must be at least eight inches tall and be strong enough to hold a heavy book.

Materials Available

- o 1 piece of cardboard 8 ½" X 11"
- o *Heavy book (Math textbook)*
- o *Masking tape (up to 18")*
- o *8 sheets of newspaper*

SHARE YOUR SOLUTIONS

- o What do you think is the best feature of your design?
Why?
- o What are some things everyone's designs have in common?
- o What would you do differently if you had more time?
- o What were the different steps you had to do to get your project to work the way you wanted?