

Design and construct a structure using non-breakable, recyclable materials from your home. Make sure your structure can support a load of 25 pennies, that you have supplied, in a container.

Using the load tester that you've already built in class, you should be able to test the structure you have created with your load of a container and your 25 pennies.

## Suggested Recyclable Materials

- ✓ Paper Towel/Toilet Paper Rolls
- ✓ Twist Ties/Rubber Bands
- ✓ Straws
- ✓ Empty Cardboard Boxes (shoe box, Kleenex, cereal box)
- ✓ Newspaper
- ✓ Styrofoam Pieces (cups or meat trays)
- ✓ Plastic Containers (cool whip, margarine, or deli containers)
- ✓ Egg Cartons
- ✓ Milk Cartons or Jugs
- ✓ Magazines
- ✓ Yarn or Thread
- ✓ Toothpicks or Popsicle Sticks

Make a drawing and list the step-by-step instructions for recreating your unique structure. Then bring your drawing and instructions to school for display.

### ➤ **Optional Bonus Activity**

- ❖ Bring a duplicate set of materials with your step-by-step instructions. Pick a partner to recreate your structure from scratch following the instructions you have written.