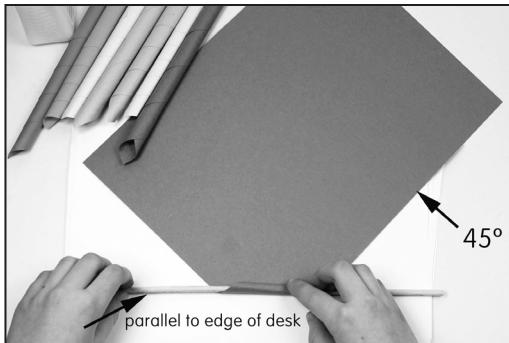


CHALLENGE ONE

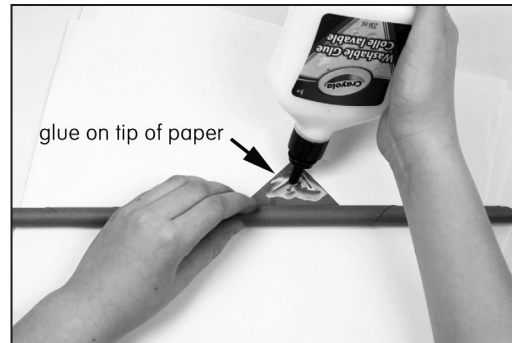
BUILD A STRUCTURE — Think Like An Engineer

What you need: Construction Paper, Crayola® Washable Glue, Bamboo Shish Kebab Skewers or Pencil

A: Follow the instructions to make 12 paper rods.



1. Place a piece of construction paper flat on your desk and at a 45-degree angle to the edge of your desk.
2. Place the bamboo skewer on one corner of the paper so that it is parallel to the edge of your desk.
3. Slowly begin to roll the paper around the skewer keeping it fairly tight.



4. When you are almost at the end put a small amount of glue on the tip of the paper, then finish rolling the paper.
5. Press the glued tip against the rolled paper to hold it in place.
6. Remove the skewer.
7. Make 12 rods.

B: Use only the rods and glue to make the tallest, free-standing structure you can.

C: Measure and record the height of the structure.

CHALLENGE TWO

BUILD AN EVEN TALLER STRUCTURE — Work As A Team Of Engineers

A: Work with 2 other people who have made structures. Use only the 3 structures and glue to make the tallest, free-standing structure you can.

B: Measure and record the height of the final structure.