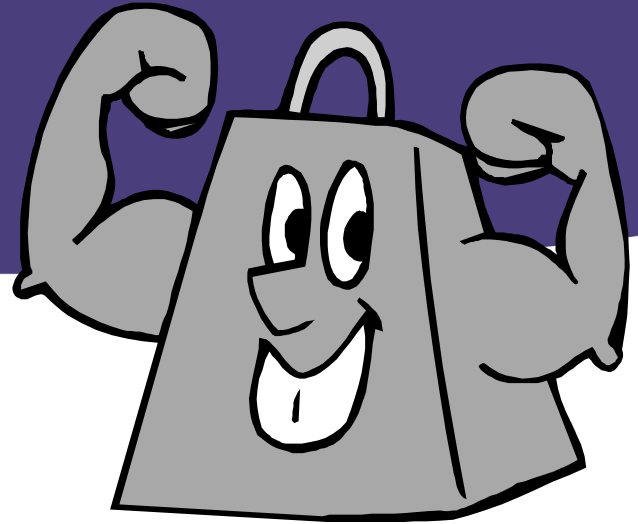


Does Length = Strength?



Use a variety of materials to construct a shape you can test to determine strength!

Ages: All ages

Time: 45 minutes

Materials Needed:

Popsicle Sticks (1 bag), 2 or 3 plastic water/soda bottles, 2 or 3 Paper/Styrofoam cups, 5-10 small balloons (they will inflate by mouth), Masking tape (1 roll), 2 pairs of scissors

Instructions:

1. At a large table have all supplies ready for members.
2. Breaks groups into teams of 2 or 3.
3. Using the materials provided have members construct a bridge-like shape that extends between 6-18 inches long.
4. At 3 inch intervals have members add additional weight to the extended shape to determine the weight capacity of that length.
5. Once members have reached the 18inch mark have them compare the records to determine at which length the shape was the strongest/weakest.

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