



Bridge Design Contest

Problem Statement:

Using previous knowledge that you have learned about Bridges and the forces that act upon them to design and build a balsa wood bridge to compete in the class contest.

Contest:

The bridges will be tested for strength in number of pounds it can support at the center of the bridge deck as well as the overall efficiency of the bridge

Requirements/Restrictions:

- Must be built using only the materials given.
 - 1 Balsa 12" x 3" x 1/4"
 - 12 Balsa Strips 1/8" x 24"
 - Hot Glue and/or wood glue
- Deck must be 12" to span 10" gap
- Total height must be 6" or less
- Scale car must be able to drive across the bridge
 - L = 3" W = 1 1/8" H = 1"
- Excessive glue will be a deduction of points.