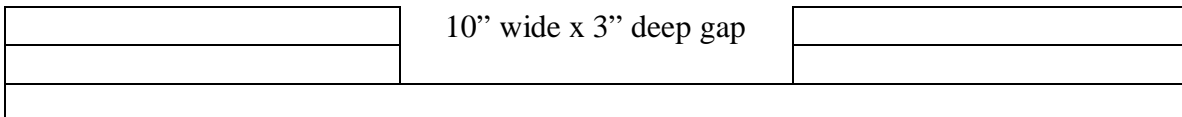


ENGINEERING ACHIEVEMENT HOMEWORK

BRIDGES

For our discussion of bridges at the next Webelos Den meeting, please make a model of a bridge. It should cross a 10" opening. The lower level will be 3" below the bridge.

(It's just going to be a stack of 2x4's, nothing fancy.)



THIS IS NOT A BRIDGE STRENGTH CONTEST!!! We will **NOT** be testing these bridges in any way. The purpose is to make models of bridges to talk about. It can be as simple or fancy as you like. Use whatever you can think of to make it. It can be functional or just look like the real thing. *(For example, a real suspension bridge needs the main cables to be attached firmly to the ground at each end to work properly. Since yours will be portable, that wouldn't be possible, but it could LOOK LIKE a suspension bridge. That would be just fine.)*

You could read the material in the Webelos book if you like or look at pictures or just make something up. We'll be sorting the bridges into categories and talking about how they work.