Critical Load Student Worksheet:

Measuring Critical Load (#2)

Answer the following questions on this page with your group.

1) What aspects of your design do you think helped its ability to hold more weight?

2) What aspects of your design do you think hindered its ability to hold more weight?

3) What was the highest critical load in your classroom?

4) What was the difference in the winner's design and yours? Or…if your team had the winning structure, what do you think set your structure apart from the rest?

5) If you could do your design all over….what would you change, and why?

6) What human factors do you think a civil engineer needs to take into consideration when planning a bridge or causeway (ex: weight of people and cars/trucks, escape routes, etc.).