

Names: _____

Bridge Project Rubric

Construction:

Day ONE: Bridge plans begun with total measurements recorded: _____ of 10 pts.

Day TWO: Consistent work on your bridge with your team: _____ of 10 points.

Completed plans (2 copies) with measurements: _____ of 30 pts.

Day THREE: Consistent work on your bridge with your team: _____ of 10 points.

Day FOUR: Consistent work on your bridge with your team: _____ of 10 points.

Day FIVE: Slight modifications and preparation for testing: _____ of 10 points.

**DO NOT BEGIN
ASSEMBLY
until I have
signed off on
your plans**

$$\frac{\text{(mass in grams supported before failure)}}{\text{(mass of finished structure in g)}} = \text{your raw score}$$

Your raw score is then divided by the raw score of the best bridge in the class. This creates a percentage that is multiplied by the 30 points available in testing to give you your testing points.

Mass held: _____ Mass of Bridge: _____ Raw score: _____

Best of class score: _____ Your testing points: _____

Work Points: _____ Plan Points: _____ total score: _____

- _____ Spans the 35.0 cm gap.
- _____ Is not longer than 45.0 cm
- _____ The roadbed is a minimum of 5.0 cm wide.
- _____ Used only your group straws.
- _____ Opening for the test plank; more than 6.0 cm wide and .75 cm tall.
- _____ Entirely free standing.
- _____ Support at minimum, the mass of the testing materials.
- _____ Have a finished mass of **less** than 55 grams.