

National Science Olympiad 2010 - Elevated Bridge C

This is to be used with the excel spreadsheet found at www.soinc.org

Team Number: B__ Team Name: _____ Rank: _____

Student Names: _____ Final Score: _____

Do not write below this line.

Construction Parameters

1. Has a Clear Span of 45.0 cm	Y	N
2. Bridge only touches surface of the Test Base within of Bearing Zone before loading	Y	N
3. Bridge is not braced against an edge of the Test Base for lateral support	Y	N
4. Standard Minimum Clearance under Bridge \geq 30.0 cm long x 12.5 cm high	Y	N
5. Bridge height (in cm, to the closest 0.1 cm)	_____	
6. Bridge has no separate or detachable pieces	Y	N
7. Bridge constructed of only wood and glue	Y	N
8. Does not use particleboard, wood products, bamboo, paper or commercially laminated wood)	Y	N
9. Bridge supports a loading block on or within the bridge structure	Y	N
10. Loading point on the bridge permits placement of a chain or threaded eyebolt	Y	N
11. Bridge can be loaded	Y	N

Other

12. Participation Points Only (ie. Safety spectacles with side shields were not worn , etc.)	Y	N
13. Disqualified (notify the team and their coach as soon as possible)	Y	N

Bridge Measurement

14. Mass of bridge (in grams)	_____
15. Load supported (in grams)	_____