

Group Names - _____

Structure Design - Bridge Journal Assessment

Category	Requirement	Descriptors				Comment	Points
Thumbnail Designs (5 per person)	Five Thumbnail Designs. (5 different / separate designs per person.)	15 Points Very unique / original / inventive designs. You conducted research/applied to your designs. Great sketching/variety	10- 14 Points Good variety with some repetition. Displays some uniqueness and application of research.	5 - 9 Points Less than 5 TD's, very repetitive in design. Good to poor application of research	0 Points Thumbnail Designs are missing from design journal.		15 Points - Max P-1 _____ P-2 _____ P-3 _____
Cost Estimation (1 per person)	One Cost Estimation. (1 different / separate Cost Est. per person.)	15 Points Diff. design from each group member. Excellent app. of Math skills. Accurate estimated lengths.	10- 14 Points Some minor math and/or calculation errors. Estimated lengths fairly accurate.	5 - 9 Points Check your accuracy. The cost does not match your estimate lengths	0 Points Partners Cost Est. are missing		15 Points - Max P-1 _____ P-2 _____ P-3 _____
Daily Entries (Minimum 1 per block of tech. ___ entries for this quarter.)	Daily entry of your thoughts / ideas on how to solve the problem.)	45 Points Exceed the min. entry #. Very thoughtful, insightful & well written entries that display an outstanding app. of technical vocabulary.	40- 44 Points Met min. entry #. Very thoughtful, insightful & well written entries that display an outstanding app. of technical vocabulary.	30 - 39 Points Met or below min. entry number. Good entries with some tech vocab. Some entries more about what you did in the block.	Below 30 Points Missing ___ entries out of _____. Most entries describe the work that you did vs. a deep understanding of what you did.		45 Points - Max Group Score _____
Application of Research	Advice that you sought or received. Ideas gained from research. Print out from the web.	10 Points Entries have cited advice and demonstrate a great application of research. Detailed web print outs.	7- 9 Points Entries have some advice cited and demonstrate good application of research. A print out or two from the web.	3 - 6 Points No print outs from the web and some advice cited in the entries.	0 Points No research cited and no print outs from the web.		10 Points - Max Group Score _____
Mechanical Design (1 per group)	One technical drawing of truss design that includes a name plate and parts list.	15 Points Outstanding tech expertise in drawing. App of tech tools; t-square; triangle. Correct sizes	10- 14 Points Good tech expertise in drawing. App of tech tools; t-square; triangle. Most sizes correct.	5 - 9 Points Good to poor tech expertise in drawing. Some app of tech tools. Sizes not correct	0 Points Technical drawing not turned in.		15 Points - Max Group Score _____

Competition Grade

Design Journal Grade

