

# Bridge Building Rubric

Following State Expo Guidelines

NAMES \_\_\_\_\_

OUTCOME	BRIDGE		BUILDING		POINTS Exemplary/outstanding 4	SUB TOTALS
	POINTS Unacceptable 0	POINTS Not yet acceptable 1	POINTS Acceptable 2	POINTS Good/beyond average 3		
Sketches/Drawings Complete and accurate	No drawings	Missing drawings Poor quality of lines	Drawings all complete Sloppy, missing info.	Drawings neat, orderly, Nothing missing	Drawings without mistakes, difficult level	
Vehicle passed truck test on computer/bridge resembles drawings	Unable to duplicate design on bridge builder program	Able to duplicate bridge, unable to redesign for crossing	Truck able to cross, design very simple	Truck able to cross, design fairly sophisticated	Truck crosses, design highly advanced, low cost factor	
Joints properly formed on bridge	Bridge incomplete	Most of bridge done, poor joint work	Bridge complete, joints are fair	Bridge complete, all joints formed well	Bridge complete, joint connections exemplary	
Specifications followed during construction	Bridge not built	Bridge does not look like drawings	2 or more incorrect measurements	1-2 measurements are off	All measurements follow guidelines given	
Safety and clean- up guidelines followed	Wasted materials no attempt to clean- up	Improperly used tools and poor clean-up	Tools used & clean-up done intermittently	Tools used & clean-up done well	Tools used well, clean-up good/helped others	
Communication with partner effective and on task	Conversation non-existent	Wastes time talking on other subjects, work as individuals	Work as team focus on task	Work as team focus on task, converse only about project	All work & conversation done as team work, changes made as result	
Bridge held weight when tested	Held no weight or incomplete	Weight in lower quarter of room/school	Weight in lower half of room/school	Weight in upper half of room /school	Weight in upper quarter of room/school	
Creative, original, effective, design	No design or have design, but never built	Design poor or copied from others or book	Design is workable but not unusual	Design is workable and show originality	Original/creative design high level of ingenuity	

**TOTAL=**