

STEM Design Challenge Judging Rubric

Team # _____ Grade Level _____

Total Score _____

	4	3	2	1	Score (1-4):
Design/ Prototype	Creative and thoughtful use of K'Nex pieces, recyclable materials, or a mixture of both. Project meets all parts of challenge. Obvious that a lot of time was spent designing the structure.	Different and creative items used. Teams somewhat creative in using the pieces available to them. Obvious that time was spent designing the structure. Project meets all parts of challenge.	Teams somewhat creative in using materials available to them. Obvious that the team did not spend much time planning and designing. Project only meets part of the challenge.	Project does not make creative use of materials. Design is not successful in meeting the challenge.	
Design Notebook	The Design Notebook is well-written with no grammatical or spelling errors. All team members worked on it. Outside resources were used which could include teachers, professionals, online or written information. Design Notebook references the Engineering Design Process.	The Design Notebook is well-written with no grammatical or spelling errors. Very few or no outside resources were used in creating their project. All team members contributed. Notebook references Engineering Design Process.	The Design Notebook is lacking detail. Very few or no outside resources were used in creating their project. Information contains some grammatical and/or spelling errors. Notebook may or may not reference the Engineering Design Process.	The Design Notebook contains grammatical and/or spelling errors. No outside resources used. No evidence of all team members contributing.	
Blueprint	Blueprint is creative and detailed. Clear picture of what students are building. Any text is free of spelling or grammatical errors.	Blueprint is detailed but lacks creativity. Clear picture of what students are building. Text is free of spelling or grammatical errors.	Blueprint is lacking creativity or detail. Hard to tell from blueprint what structure teams are building. Text contains some spelling and/or grammatical errors.	Blueprint is not detailed and lacks creativity. It does not convey what type of design students are building. Text contains spelling and/or grammatical errors.	
Teamwork	Team works very well together. Ideas from all members listened to and respected. Evidence that all team members participated in all aspects of the competition.	Team works well together. Some evidence of teamwork. Some parts of the project may not show evidence of teamwork.	The various pieces of the project do not show evidence of teamwork. Not all team members participated in one of more challenge pieces.	Obvious that all team members did not participate in the design and preparation for the competition.	
Creativity	Teams were creative in coming up with their project design. Various materials were used and shows creative uses of those materials.	Project design was somewhat creative. Students were creative in some aspects of the competition but not all.	Some aspects of project are creative but more work could have been done in planning and preparation.	Design and/or other aspects of the project lack creativity. Shows team may not have spent a lot of time working on the design.	
Presentation	The team's presentation was well organized, creative and represented their final product. All team members participated in the presentation.	Team's presentation was organized and represented their final product but was not very creative or interesting.	A presentation is given but lacks creativity and organization. More effort could have been given to the presentation.	Team's presentation was unorganized and lacked focus. Not all team members participated.	

Please use the back to provide constructive feedback to the team.