## STEM Design Challenge featuring K’Nex
### Judging Rubric

<table>
<thead>
<tr>
<th>Team #__________</th>
<th>Grade Level __________</th>
<th>Judge #__________</th>
<th>Total Score_________</th>
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</thead>
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#### Score (1-4):  

##### Design  
**4**  
- Creative and thoughtful use of K’Nex pieces. Only K’Nex pieces used. Different pieces used in an interesting way. Project meets all parts of challenge. Obvious that a lot of time was spent designing the structure.  
**3**  
- Different pieces 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.  
**2**  
- Teams somewhat creative in using the pieces available to them. Obvious that the team did not spend much time planning and designing. Project only meets part of the challenge.  
**1**  
- Project uses a lot of the same pieces, not a creative use of the pieces available to them. Design is not successful in meeting the challenge.  

##### Narrative  
**4**  
- Narrative is well-written with no grammatical or spelling errors. All team members worked on the narrative. Outside resources were used and could include teachers, professionals, online or written information or kits.  
**3**  
- Narrative 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.  
**2**  
- Narrative is lacking detail. Very few or no outside resources were used in creating their project. No evidence of all team members contributing. Narrative contains some grammatical and/or spelling errors.  
**1**  
- Narrative contains grammatical and/or spelling errors. No outside resources used. No evidence of all team members contributing.  

##### Blueprint  
**4**  
- Blueprint is creative, detailed and well-drawn. Clear picture of what students are building. Any text is free of spelling or grammatical errors.  
**3**  
- Blueprint is detailed and well-drawn but lacks creativity. Clear picture of what students are building. Text is free of spelling or grammatical errors.  
**2**  
- Blueprint is lacking creativity or detail. Hard to tell from blueprint what structure teams are building. Text contains some spelling and/or grammatical errors.  
**1**  
- Blueprint is not well drawn and lacks creativity. It does not convey what type of design students are building. Text contains spelling and/or grammatical errors.  

##### Teamwork  
**4**  
- Team works very well together. Ideas from all members listened to and respected. All team members participated in all aspects of the competition.  
**3**  
- Team works well together. All team members are building the structure. It may seem that not all team members are always involved.  
**2**  
- Some team members are not working on the structure or not doing as much work as others. Blueprint and narrative show a lack of teamwork.  
**1**  
- Some team members are not working on the structure. Obvious that all team members did not participate in the design and preparation for the competition.  

##### Creativity  
**4**  
- Teams were creative in coming up with their project design. Time for building was used effectively.  
**3**  
- Project design was somewhat creative. Students finish building before time is up which shows that more could have been added to the structure.  
**2**  
- Some aspects of structure are creative but more work could have been done in planning and preparation.  
**1**  
- Design lacks creativity. Teams used K’Nex models or kits to create their design. Time was not used effectively.  

##### Presentation  
**4**  
- The team's presentation was well organized, creative and represented their final product. All team members participated in the presentation.  
**3**  
- Team’s presentation was organized and represented their final product but was not very creative or interesting.  
**2**  
- A presentation is given but lacks creativity and organization. More effort could have been given to the presentation.  
**1**  
- Team’s presentation was unorganized and lacked focus. Not all team members participated.  

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