

SGS Design Wars

The 8th Grade Orientation Challenge

Name: _____

The Challenge

Work with your team to design a contraption designed to allow the 8th grade teacher's "precious cargo" to transport their own selves around the nearly three-mile Green Lake bike path. Next Wednesday, your team will present their design to a Judges Panel to see who will win the coveted Golden 8th Grader Award.

Design Requirements

- Contraption must be designed for the "precious cargo" of your assigned teacher ONLY. No teenagers or adults are to factor into the design.
- The individual personalities and limitations of the "precious cargo" must be fully represented in the design.
- Safety precautions, including provisions for emergency evacuation, are seriously considered.
- Each group will only be allowed to ask 3 clarifying questions of their assigned 8th grade teacher.



Presentation Requirements

Each group's presentation to the Judges Panel must be in be les than 5 minutes in length and should each of the below requirements:

- A twitter-length description, aka a Twitter Tagline, of your contraption.
- A scaled, labeled drawing of your design -- from at least 2 different vantage points.
- Notable features of your design noted on your drawing and in your presentation, including WHY they are each useful.
- A commercial, infomercial, or jingle performed by ALL members of your group in front of the judge's panel.
- A prototype of your contraption.

Judging Considerations

- How awesome/unique/inventive/ideal is your design?
- How ideal is your design for the specific "precious cargo" it is designed for?
- How well does the design take the individual personality and needs of each "precious child" into account?
- How detailed and precise is the group in explaining their idea, both verbally and on paper?
- How well does your group work together to complete the entire task in the given amount of time?
- How positive and enthusiastic is your group throughout each step of the project?

Brainstorm Your Ideas

Work solo to brainstorm different design ideas. Record all of your ideas down in the space below. After a few minutes, you will get a chance to share your ideas with your classmates. Use the back of this paper if you need more space.