

## Wednesday Challenge Form

**Group Members:** John, Jess, Andrew and Sona

**Problem Statement:** This year's robotics theme is "steamworks." Design a toy that relates to the theme that can be made from a low cost and cool.

**Approach:** We were able to choose our own team again to design a toy or a keychain that is cool, low cost and goes along with the theme "steamworks." We decided to do something simple as possible since we would have to make 100s of them. Our idea was to make a pin wheel with a paper, stick and a pin. Instead of a gear, we wanted to simplify the image of the gear into a pin wheel shape as it moves by the wind power. We thought it was similar to how the gear moves by the steam. After we had designed our toy or a keychain within a given time, each team goes up to the front and present what their products are. John presented our product describing what materials will be used and how long it would take.

**Solution:** The winner was Connor's group. Their presentation was clear, impressing judges what their plan is. It goes along with the theme and follows the requirements.

**Lessons Learned:** If I would do this challenge again, I would design something that show the theme of this challenge clearly and present what the costs of the product will be.