

Date: 1-24-17 to 2-16-17

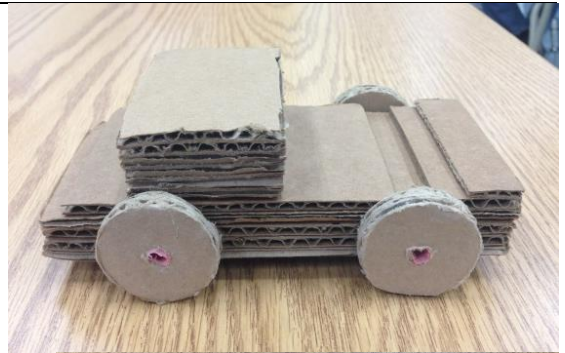
Wednesday Challenge Form

Group Members: Me

Problem Statement: Students must build a car with 4 moving wheels out of cardboard, straws, and wood glue. After the car is built, it will be raced down a 17ft ramp.

Approach:

- 1) heavier= more stable going down the ramp. Added weight at the back.
- 2) Larger wheels work better.
- 3) Added skis since wheels weren't stable and straight enough
- 4) For axel: smaller straws attached to wheels inside larger straw to reduce catching.



Solution: Wheels didn't work as expected, so I added skis!! One run my car didn't move, but the other two I got decent scores. My overall score was 79.2.

Lessons Learned: Testing is very important. Waiting to test the day of can leave you unprepared for unforeseen problems with your design. It is also worth learning from veterans. Also this is preparing us for making the wheels on our skateboards straight.