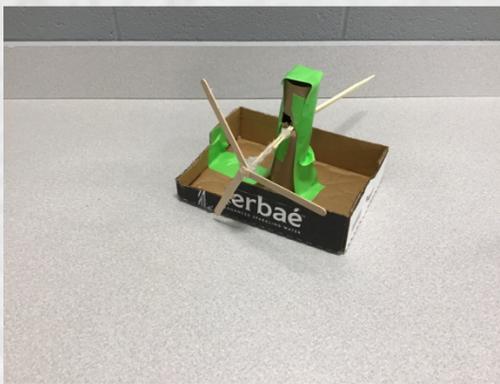
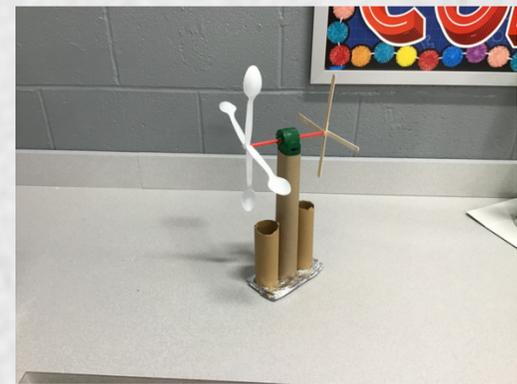
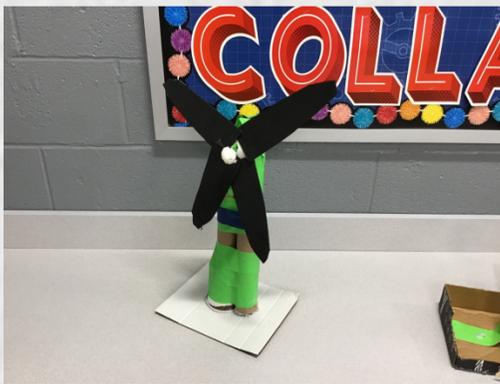




Engineering Design Challenge:

CALLING ALL ENGINEERS! YOU HAVE JUST BEEN HIRED BY A LOCAL COMMITTEE SEARCHING FOR A LOCATION IN THE REGION TO BUILD A WIND FARM. THEY NEED YOU TO HELP THEM DESIGN A PROTOTYPE FOR THE FARM. HERE IS YOUR CHALLENGE:

USING THE AVAILABLE MATERIALS, CREATE A WIND TURBINE THAT SPINS FREELY.



Engineering Design Notebook



BIG TAKEAWAYS



Struggles

- Not all students were able to get their turbines to spin freely.
- Reflection and Sharing

Successes

- Thoroughly developed background knowledge & research
- Time spent testing & improving designs
- Teamwork and idea generation during redesigns.
- Productive struggle= Design advancements

Looking Forward

- Peer Glow and Grow
- Analyzing designs more thoroughly to decide the root cause of design failure.

