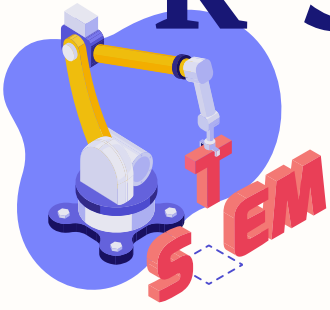


K-5 STEM LEAGUE WEEK #1



ASD-N Cross-Curricular



The Challenge

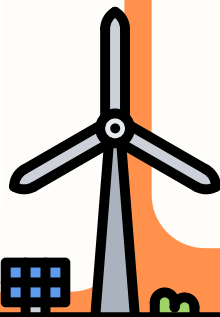
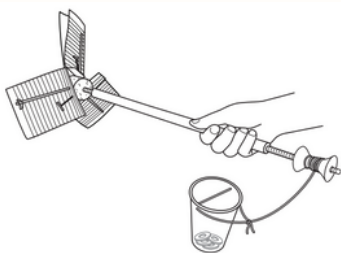
Can you Convert Energy?

You may not know where wind comes from but you know how it can be helpful to fly kites, move sailboards and even rotate windmills. You also know it can be destructive when tornados and hurricanes pass through a town.

Wind is the movement of air molecules which is an energy that can be transferred to objects to make them move or rotate. We can use that movement to do useful work for us!

Your challenge:

Create a windmill that can transform its energy to lift a plastic cup with wind from outside or a fan.



Scoring Rubric

Criteria	Points
Rotating blades	2
Energy transferred to lift cup	2
Weight lifted	1 point per gram
Tagged STEM North (@steamasn) and NB Centres of Excellence (@NBCOE) on social media	1-3

Submit here - February 14th

Suggested Materials

but not limited to....

Blades

paper plates
scrap cardboard
pie pans

Driveshafts

skewers
straws
dowels

Attachments

paper clips
cork
foam cylinder

Weightlifting

cup
string
washer
spool



<https://centresofexcellencenb.ca/>