



Activity #3

Windmills



Task:

- Construct a windmill of your own design that will lift as many pennies as possible from the floor to the table.
- A constant wind source will be provided.

Resources:

Project Budget - \$1,000

- String ■ *\$20 per foot*
- Push Pins ■ *\$10 each*
- Tape ■ *\$20 per foot*
- Scissors ■ *\$10 each*
- Index Cards ■ *\$20 each*
- Pencils ■ *\$10 each*
- Paper Cups ■ *\$20 each*
- Pennies ■ *\$5 each*

What to do???

- Design a windmill
- Draft a budget
- Order supplies
- Construct a windmill
- Record observations and results

... and

- ***Final Test***

What to do???

- ***Final Test:*** Your school wants to build a wind turbine and is interested in your team's design. Your school is looking for windmills that are/can:
 - Harness the most energy (most pennies lifted)
 - Inexpensive
 - Durable
 - Aesthetically pleasing

Resources:

Project Budget - \$1,000

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