

Pinwheel Power Test

Time: 25 minutes with an adult

You need

- ☐ A square of paper, 15 cm
- ☐ A pencil with an eraser
- ☐ A push pin (adult only)
- ☐ Timer

Steps

- 1** Make a pinwheel from the paper and pin it to the pencil eraser, with an adult.
- 2** Blow on it from 3 different distances and count the spins in 10 seconds.
- 3** Change the blade shape (wider, narrower) and test again.
- 4** Record your results in a table.

Safety: An adult should handle the pin.

Before you start: what do I think will happen?

My observations

Table 1. Spins in 10 seconds

Distance from the pinwheel	Try 1	Try 2	Try 3	Average
Close				
Medium				
Far				

Table 2. Blade shape test

Blade shape	Spins in 10 seconds	What I noticed
Wider blades		
Narrower blades		

Think about it

Which distance gave the most spins?

Why are wind turbines put where it is windy?

Draw or stick your work here



Name: _____ Date: _____

Jobspark · Ask a grown-up to help whenever you need.