

# AFTER SCHOOL CLUB



AGES 6-12  
@ 5:00 PM

## MAKE IT! - WIND TUNNEL WONDERS

### INTRODUCTION

Take your problem-solving skills to new heights with this class! Construct your own contraption for soaring out of Do Space's towering wind tunnel while practicing the Engineering Design Process.



### WHAT WE'LL BE USING:

4 ft. Vertical Wind Tube

- Straws
- Tissue Paper
- Cardboard
- Tin Foil
- Tape
- Random Stuff!

### How do Parachutes Work?

Skydiving is a very thrilling activity, but there is also a lot of science involved! There are two main forces that act on a parachute: gravity and air resistance. When you leave the airplane, gravity begins pulling you down to earth. Pulling your chute increases your air resistance, causing a force to go upward. Eventually these two forces balance out and you reach terminal velocity, a steady falling speed where you are no longer accelerating.

### Subjects:

- Engineering Design Process

### Standards:

- 2 PS 1-2
- K-2 ETS 1-2

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### Maker

### Capacities:

- Make and Draw Plans
- Prototype and Test

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### Key Terms

- Gravity
- Air Resistance