Unlocking Science

## Let's do it!

## A Mighty Gust

**AIR IS** all around you, but how do you know it's there? Think of what happens when you stick your hand out the car window or how refreshing a cool breeze feels on a summer day or the way the trees bend in a storm. You can see how air affects things and how it feels on your body.

Air is made up of molecules that alone are too tiny to detect. But when billions of air molecules work together, they create a mighty force that we can feel—wind.

Wind maintains temperatures, clears pollutants from the air, carries pollen to new places, and determines the amount of rain in certain areas.

The wind blows at different speeds and in different ways. Sometimes the wind tumbles

and flows in a high-speed swirling tube of air called a vortex. For example, whirlwinds and tornadoes are both vortexes.

Want to see how billions of molecules create an invisible vortex that pushes things around? Let's build a mini air cannon!



I'm Mr P., the host of Unlocking Science on Answers TV. Let's have some fun as we investigate God's amazing creation.

## What You'll Need

- Marker
- 8 oz plastic cups
- 12-inch balloons
- Electrical tape
- Scissors
- Utility knife
- Paper streamers

## **Vortex Video**

Scan the QR code to watch Mr. P.'s giant vortex cannon in action on the Kids Answers blog!



