

Building a Tornado Vortex Model

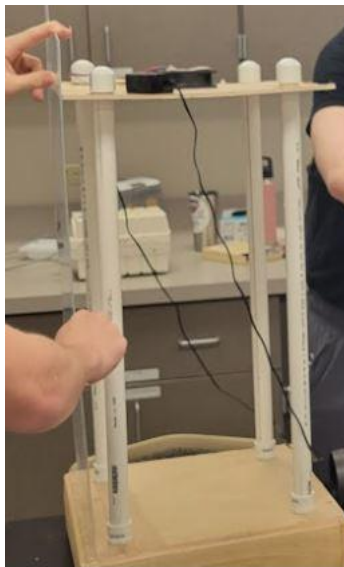
Materials Needed

- Failed tornado machine
- 3 siding pieces of cardboard
- Plastic wrap
- Styrofoam beads
- Miniature structures (If needed)
- Leaf blower
- Box fan
- Fine mesh sheet
- Any other debris



Steps needed for demo to be functional

- Install the 3 cardboard sides
- Cut intake holes into the walls to allow air to flow in (as shown in pictures)
- Install fine mesh grate over the air intake
- Replace intake fan on top with box fan and make as air tight as possible with duct tape and cardboard
- Install leaf blower in bottom hole, again trying to reduce the loss of airflow with duct tape
- Add in styrofoam beads and debris or structures
- Seal in the chamber with acrylic and tape



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How to work

- Turn on box fan
 - Watch for any loss of air intake around edges
- Turn on leaf blower
 - This may sometimes be too much airflow, at which point you should pulse the leaf blower.

