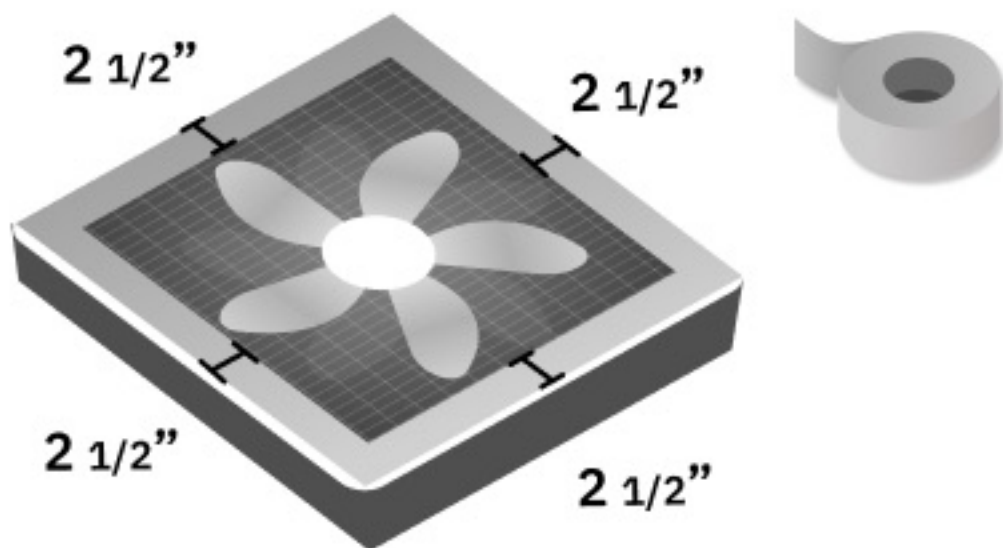## Use Duct Tape To Make A Shroud
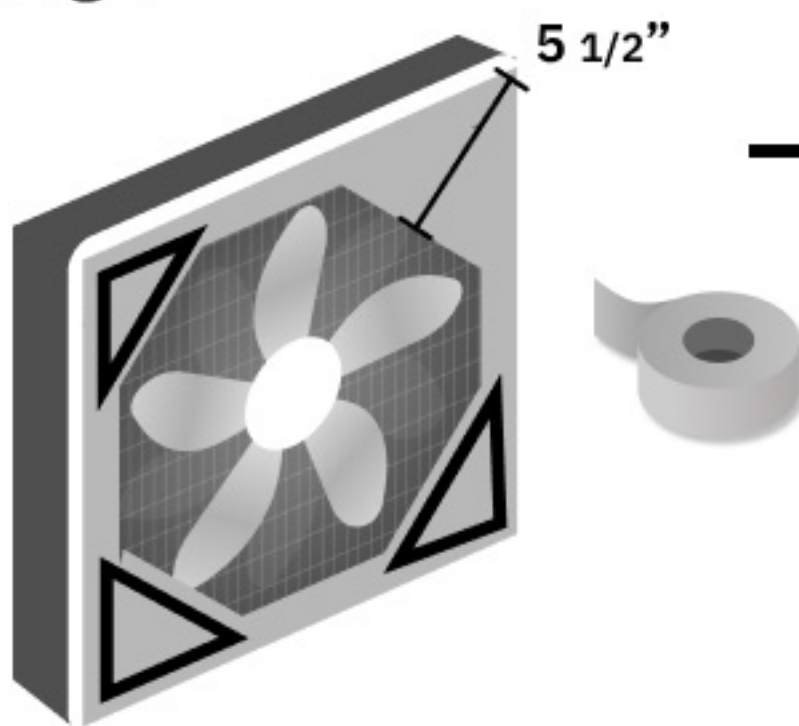
4. Lay the fan face up.

Tape around the front of the fan, creating a border. Measure 2 1/2 inches from the outer edge of the unit on each side. Multiple strips of tape will be needed.
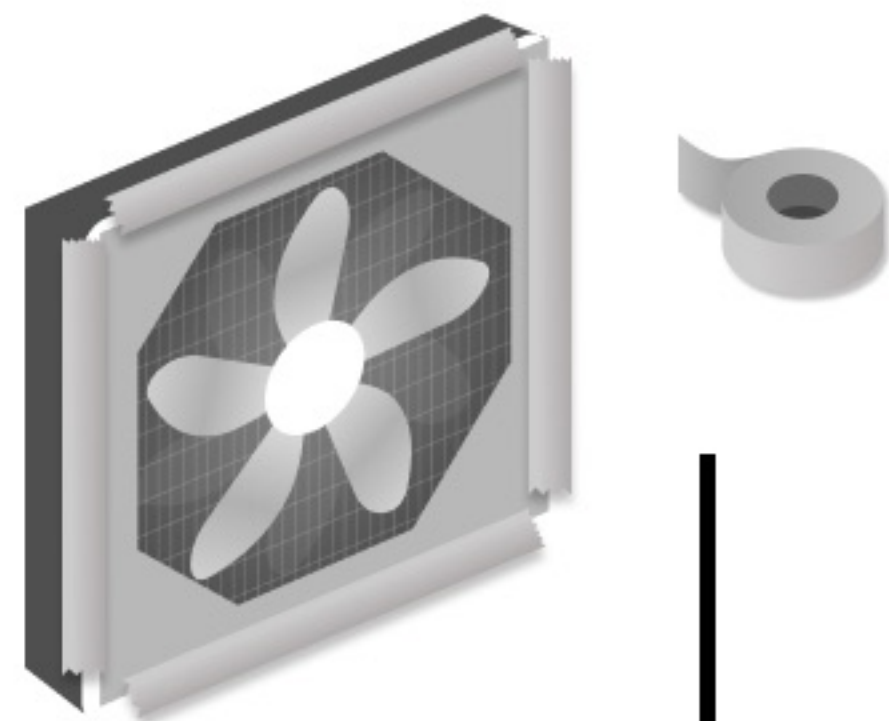

2 1/2"

2 1/2"   2 1/2"

2 1/2"   2 1/2"

What Is A Shroud?

The shroud stops air from being recaptured into the fan from the corners, which would reduce its effectiveness.

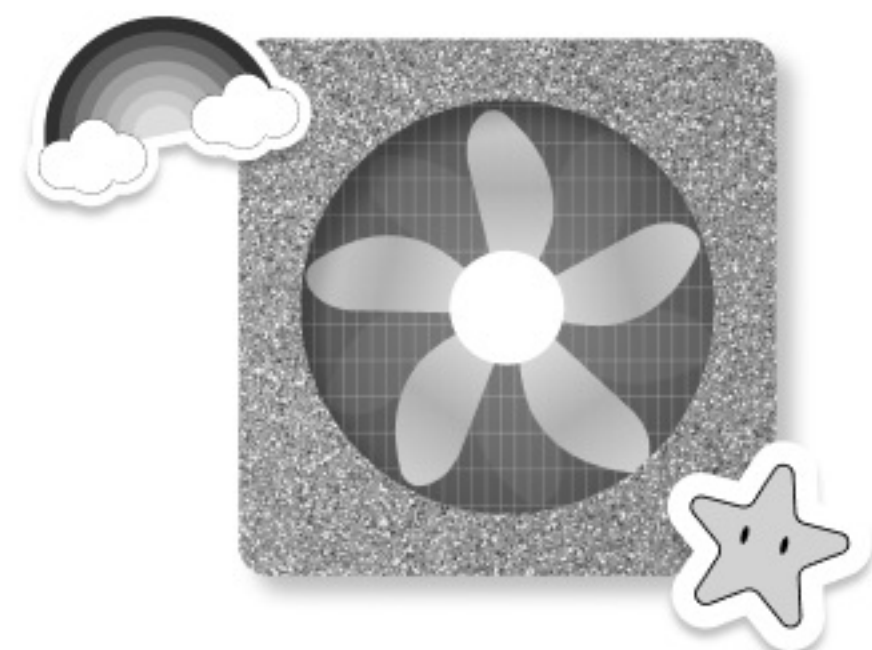**6.** Add more duct tape as needed to close all gaps around the edges and corners.

5 1/2"

5. Tape the corners of the front of the fan. Measure 5 1/2 inches from the outer edge.

5 1/2"

7. Personalize your air cleaner with stickers and decorative tape to make it uniquely yours.

fraserhealth
Better health. Best in health care.

Interior Health

island health

northern health
the northern way of caring

Vancouver
CoastalHealth

BREATHE

DIY Air Cleaner
1x1 Building Instructions

SFU · CITY OF VANCOUVER · BC LUNG FOUNDATION · CENTRAL OKANAGAN FOUNDATION *empowering generations to give.*
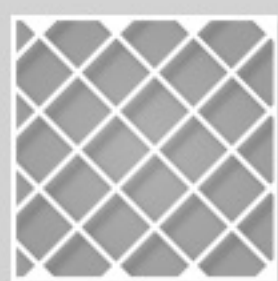
Scan for **video instructions**

Materials You Will Need

20x20" Box Fan (Min. 75 Watts)

20x20" MERV 13 Filter (MPR 1900)
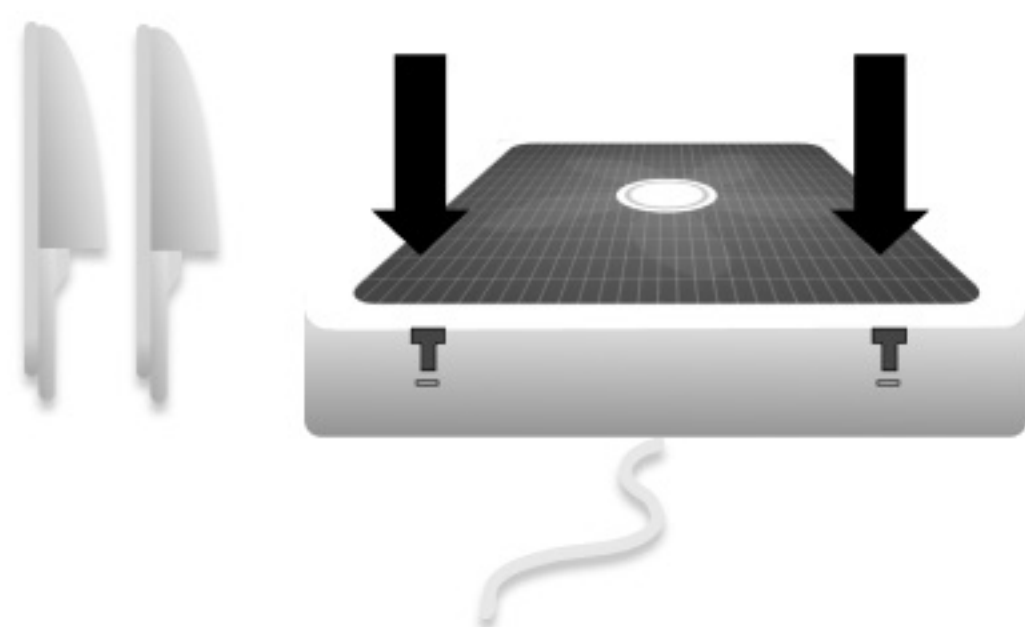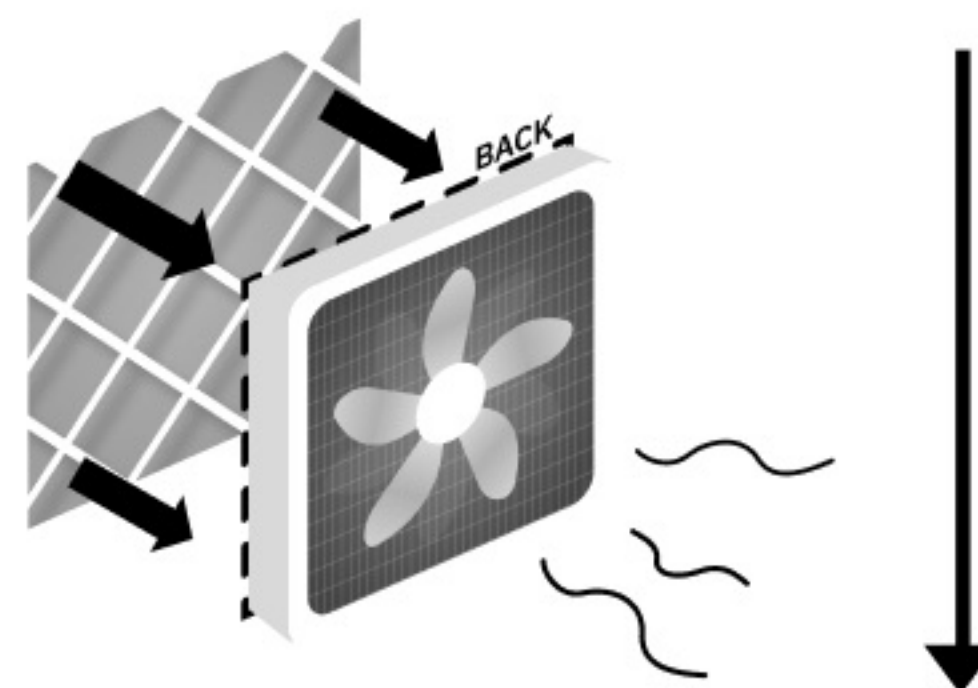
Duct Tape

Scissors Or Box Cutters

Note: Use a new, clean fan in good condition.

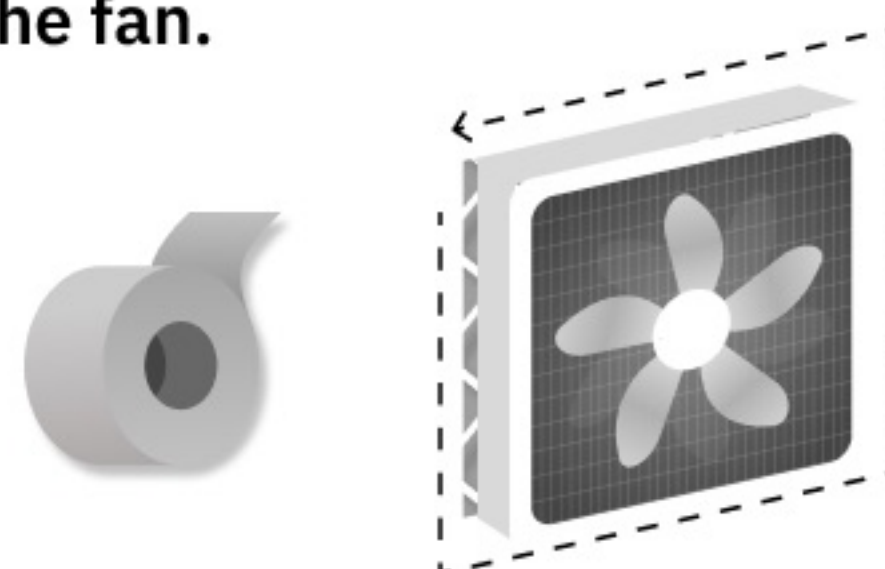**1.** Take the fan out of its box. Lay the fan face down. The front of the fan includes the logo.

Find the feet of the fan attached to the handle. Twist apart and forcefully slide into slots found on the bottom of the fan.

2. Find the directional arrow on the side of the filter. Place the filter down with the <u>arrow pointing towards the fan</u>.

BACK

3. Duct tape the filter directly to the back of the fan. Seal all sides thoroughly to prevent gaps. Check that the corners of the filter are sealed from the front side of the fan.