

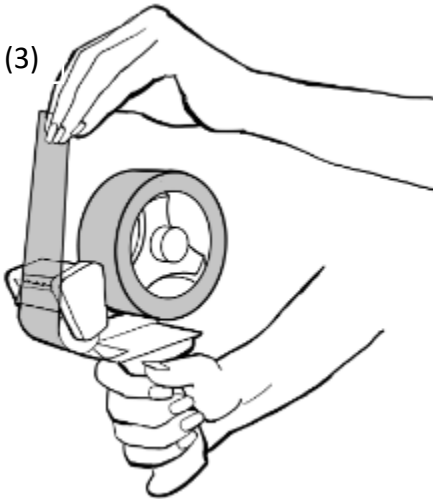
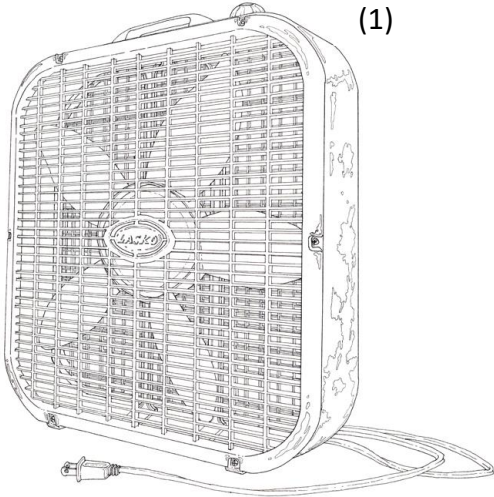
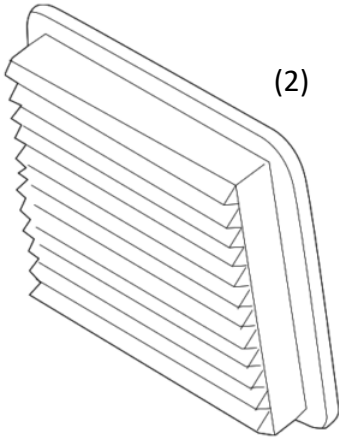
**Cheap and available methods to  
maintain quality of life and limit spread  
of Covid19**



Page 3	Executive Summary
Page 4 - 6	What to buy and from where?
Page 7 - 8	How to construct?
Page 9	Where's the evidence?

- Up to 99.9% of the viruses 20x smaller than the Covid19 can be removed from a room using available products for just \$35

		Example	Cost	Picture Number
Necessary Products	Fan	<ul style="list-style-type: none"><li>Generic 20 in. box fan</li></ul>	\$17.00	(1)
	Air Filter	<ul style="list-style-type: none"><li>Honeywell 20 in. x 20 in. Superior Allergen Pleated FPR 9 Air Filter</li><li>3M 20 in x 20 in. 1500 MPR Ultra Allergen</li></ul>	\$17.00	(2)
	Tape	<ul style="list-style-type: none"><li>Shipping tape</li></ul>	\$1.00	(3)



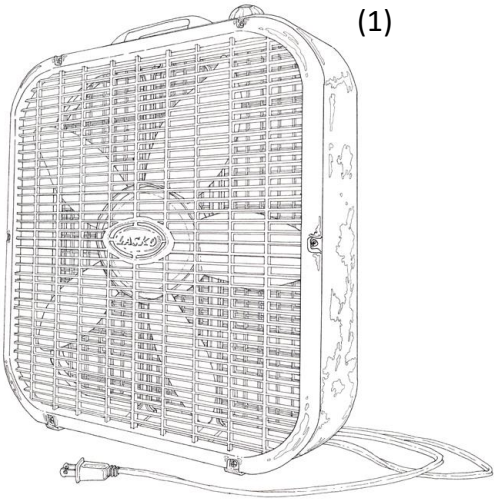
Sources:  
1) Fan by Taylor Baldwin: [www.taylorbaldwinstudio.com](http://www.taylorbaldwinstudio.com)  
2) Air filter by Subaru  
3) Tape by Duck Brand: <https://www.duckbrand.com/uploads/activities/pdf/Packaging-Tape-Gun-Instructions-FINAL-copy.pdf>

Fans

Comment

- Any generic fan will technically work, but you will ideally want to have the fan be the **SAME** size as the filter or have the fan **SMALLER** than the filter.
- 20 x 20. fans and filters are widely available throughout the U.S. so I will recommend this size until the quantity noticeable decreases.

		What To Buy	From	Cost
Necessary Products	Fan	• Lasko 20-in 3-Speed Indoor Box Fan	Lowe’s	\$16.96
		• Holmes 20-in 3-Speed Indoor Box Fan	Lowe’s	\$16.96
		• Utilitech 20-in 3-Speed Box Fan	Lowe’s	\$18.98
		• Lasko 20 in Box Fan	Home Depot	\$18.96
		• Lasko Slim 20” Box Fan with Smart Save	Walmart	\$19.98
		• Holmes - 20” 3-Speed Box Fan	Target	\$19.99
		• Utilitech 20-in 3-Speed Box Fan	Lowe’s	\$20.98
		• Lasko 20 in. 3-Speed Box Fan	Home Depot	\$23.98
		• Comford Zone 20” Box Fan	Walmart	\$24.50
		• Lasko 20 in. Power Plus Box Fan	Home Depot	\$26.96
		• Lasko 20 in. 3-Speed Weather Shield Performance Box Fan	Home Depot	\$28.73



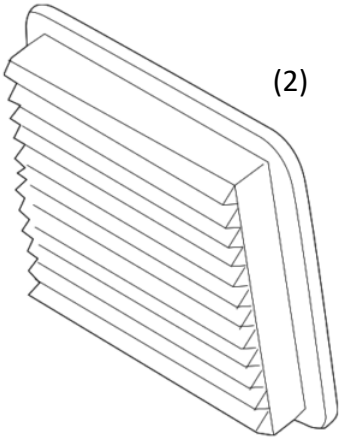
Sources:  
1) Fan by Taylor Baldwin: [www.taylorbaldwinstudio.com](http://www.taylorbaldwinstudio.com)

Filters

Comment

- Ideally you want the filter to be the **SAME** size as the fan or **BIGGER** than the fan.
- 20 x 20. fans are currently widely available throughout the U.S. so I will recommend this size until the quantity noticeable decreases.
- The filter needs to have a minimum level of “filtration”, which all of the ones listed below meet.
- The filters **NEED** to be replaced every 90 days

		What To Buy	From	Cost
Necessary Products	Air Filter	• Honeywell 20 in. x 20 in. Superior Allergen Pleated FPR 9 Air Filter	Home Depot	\$16.97
		• Filtrete Ultra Allergen 20x20, Air Filter	Target	\$16.99
		• Honeywell 20 in. x 20 in. Elite Allergen Pleated FPR 10 Air Filter	Home Depot	\$19.97
		• Filtrete 1900 MPR Maximum Allergen (Common: 20-in x 20-in)	Lowe’s	\$19.97
		• Filtrete Ultimate Allergen 20x20, Air Filter	Lowe’s	\$19.99
		• Filtrete 1500 Smart Allergen, Vacteria and Virus (Common: 20-in x 20-in)	Lowe’s	\$21.98
		• Filtrete 2500 (Common: 20-in x 20-in)	Lowe’s	\$24.97
		• Nordic Pure 20 in. x 20 in. Pleated MERV 12 – FPR 9 Air Filter (3-Pack)	Home Depot	\$33.84

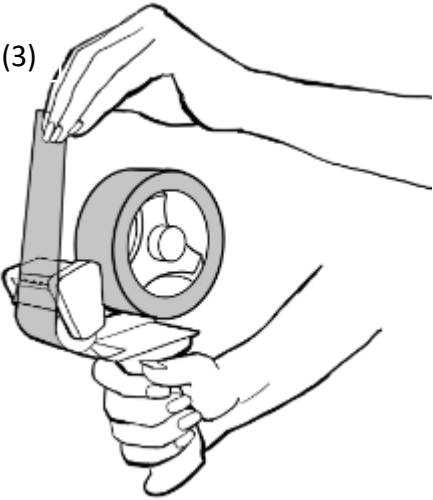


▪ Tape

Comment

- Shipping tape or other heavy-duty tapes work well otherwise the filter may occasionally fall down.
- The tape is used to connect the filter to the fan.

		What To Buy	From	Cost
Necessary Products	Shipping tape	• Duck 1.88-in x 22.2-Yard Clear Packaging Tape	Lowe’s	\$2.58
		• Duck Clear 1.88-in x 22.2-Yard Clear Packaging Tape	Lowe’s	\$2.68
		• 3M Scotch 1.88 in. x 22.2 yds. Heavy Duty Shipping Packaging Tape with Dispenser	Home Depot	\$2.97
		• HDX 1.88 in. x 22 yds. Clear Heavy Duty Shipping Packaging Tape with 1.5 in. Dispenser	Home Depot	\$2.97
		• Scotch Shipping 2-in x 22.2-Yard Clear Packaging Tape	Lowe’s	\$2.98
		• Heavy Duty Shipping Tape with Dispenser – Up&Up	Target	\$2.99
		• Scotch Mailing Tape with Dispenser, Ultra Clear, 1.88” x 22.2yds	Target	\$3.19
		• Scotch Shipping * Packaging Tape and Dispenser, 1.88 in. x 50 yds.	Walmart	\$3.86
		• 3M Scotch 1.88 in x 50 yds. Shipping Tape with Dispenser	Home Depot	\$4.97
		• Duck Brand Mover’s Edge Refilaable Dispenser – Printed Tape, 1.88 in. x 35 yds	Walmart	\$4.97



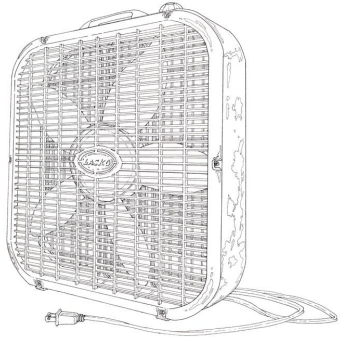
Sources:  
3) Tape by Duck Brand: <https://www.duckbrand.com/uploads/activities/pdf/Packaging-Tape-Gun-Instructions-FINAL-copy.pdf>

# How To Construct (1 of 2)

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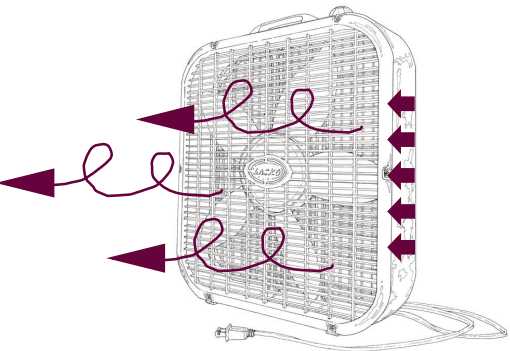
- Follow the steps in numerical order

1



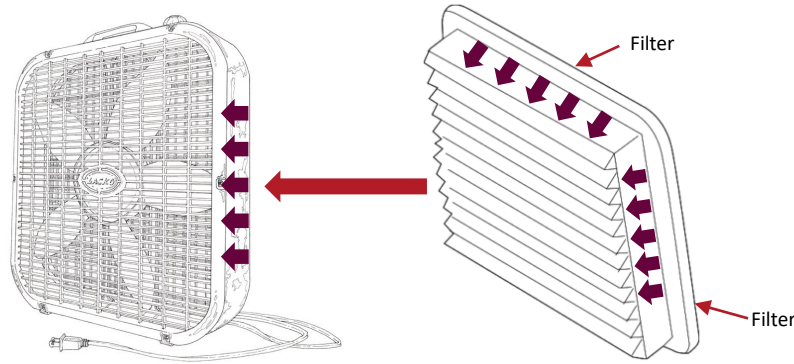
- Plug fan into wall.
- Turn fan on.

2



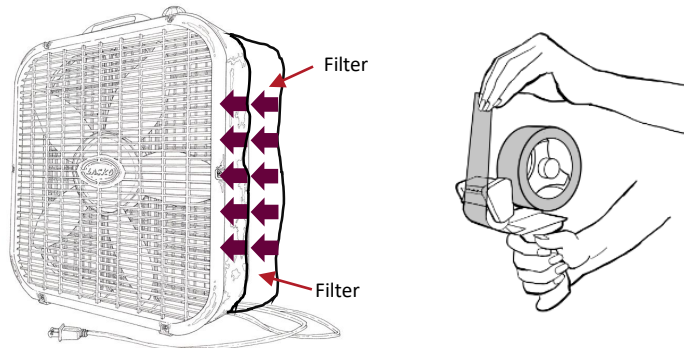
- With the fan turned on, draw arrows on the fan pointing which way the air is blowing.
- Turn off the fan.

3



- The fan will have arrows pointing which way it wants the air to flow.
- Place the filter behind the fan so that the **FRONT** of the filter's arrows align with the **BACK** of the fan's arrows.

4



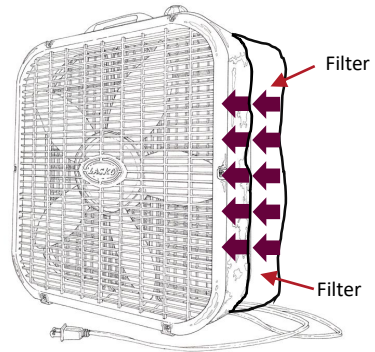
- Use the tape to attach the filter to the fan.
- The filter may be bigger than the fan and that's okay. You do not necessarily need to cut the fan, but you do need to make sure the filter is firmly attached to the fan

## Sources:

- 1) Fan by Taylor Baldwin: [www.taylorbaldwinstudio.com](http://www.taylorbaldwinstudio.com)
- 2) Air filter by Subaru
- 3) Tape by Duck Brand: <https://www.duckbrand.com/uploads/activities/pdf/Packaging-Tape-Gun-Instructions-FINAL-copy.pdf>

- Follow the steps in numerical order

5



- Place the fan in a room that typically contains people.
- Turn on the fan.



# Where's the evidence?

- U.S. Government report from 2009 shows that a HEPA filter removed 99.9% of T7 Virus, a virus 20x smaller than Covid19
- This method displayed here uses EXACTLY the same filters used by HEPA filter products that cost hundreds of dollars
- The method displayed here is recommended by University of Michigan Medicine as a strong alternative to the several hundred dollar machines

Paper Name	Evaluation Of An Electronic Air Filter For Filtering Bacteria And Viruses From Indoor Air
Authors	Kaewjai Malaithao, Thareerat Kalambaheti, Suwalee Worakhunpiset, and Pongrama Ramasoota
Free Link to Paper	<a href="https://pdfs.semanticscholar.org/e59/ae12c70ae90b15bd15afa35cd b44837af89e.pdf">https://pdfs.semanticscholar.org/e59/ae12c70ae90b15bd15afa35cd b44837af89e.pdf</a>
Quotes	“The filtrating efficiency of the HEPA air filter for filtrating T7 virus was 99.9%