

School/Community Toolkit
ASU's DIY CorsiRosenthal Box ("C-R") Project
*Increasing awareness about the importance of indoor air quality and
helping every classroom have access to a portable air cleaner to remove viruses, smoke, and air
pollution.*

I. Why CorsiRosenthal Boxes?

[Portable air cleaners such as HEPAs and Corsi-Rosenthal Boxes are a simple, cost-effective tool](#) (from [Clean Air Crew](#))

[Barriers to Air Purifiers in Schools Rebuttal Matrix](#)

(from: <https://www.flickr.com/photos/23309579@N04/51674665687/>)

II. C-R Box Information & Instructions

[DIY Air Filter Units](#)

[Corsi-Rosenthal Box Filter Instructions for Use](#)

III. ASU Efforts and Getting Started Information

[ASU C-R Box Fact Sheet](#)

[Learn more about ASU Team's Efforts](#)

Our team works with schools in two ways:

i) **Direct Request:** School administrators, teachers, and school staff can use our [Google Form](#) to directly request that our team build a CR box for them (they must have principal approval before requesting). We try not to take more requests than we can fill, but it's a constant juggling act of monitoring donations, organizing builds and opening/closing the request form.

ii) **CR Box Ambassador Request:** Schools can request help organizing a school-wide event at their school. Your community works together to collect your supplies and build your own boxes. Our team helps you create a supply list and donation plan, organize the event, design lesson plans and/or integrate the build into class curriculum. This is a great hands-on STEM project! We match schools with an ASU CR Box Ambassador who we train to help lead these efforts with you! If you

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are interested in this program email asupublichealth@gmail.com or you can fill out this [FORM](#).

IV. Links to Additional Resources & Lesson Plans

[Airborne Transmission of Respiratory Viruses: The Comic Version Slides](#)

[Lesson Plans examples](#)

[Clean Air Crew Resources](#)

[Federal Emergency Aid for Public Education - Checklist of Fund Uses under ESSER](#)

["Harvard Tool" Calculator for HEPA Units for Schools](#) - to use the calculator make a copy

[Airborne transmission of COVID-19 and mitigation using box fan air cleaners in a poorly ventilated classroom \(2021 study\)](#)

[School Ventilation: A Vital Tool to Reduce COVID-19 Spread from John Hopkins Bloomberg School of Public Health](#)

[Benefits of Higher Ventilation and Improved Air Quality in Schools Beyond COVID-19 Table - full study](#)

[CDC - Ventilation in Buildings](#)

[Harvard Risk Reduction Strategies for Reopening Schools](#)

[CORSIAQ Seminars](#)

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