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
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.

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
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.

The information provided here is for the purpose of addressing and assisting schools and community members understand the benefit of incorporating air purifiers into their layered mitigation strategy and is not meant to be a comprehensive review of the subject. Email: jessicafion@asu.edu with questions.