

Help Us Clean Up Our Classroom Air

Clean Air for Kids Foundation
www.cleanair4kids.org

For an informative demonstration
See - www.impactmovie.com/purifan



All Schools Have IAQ Issues

Any 700 square foot room where 20-30 people share the same air the rate of respiratory illnesses will go up 3 to 4 times. It happens in offices, day-care and school classrooms. If the building has had any water-damage from leaky roofs, windows, floods, storms or plumbing leaks the rate of sickness will be even higher, based on studies reported by the CDC.



Purifan Supports the
Clean Air for Kids
Foundation
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To Principal, Teachers & School Nurse

Clean air offers big pay-back in reduced health costs for families, in fact studies show families will pay 5 times as much on common health problems if we don't cleanup our classroom air!

We are working to install Purifans in your classrooms. This new technology will filter the air and reduce the particulates, allergens and odors. When this same technology has been installed in other schools it cut absenteeism by as much as 61%, saving the students 11 sick days per year in that school.

Saving 11 sick days for each child is estimated to save between \$1,500 and \$2,000 per student in medical expenses and missed work days for parents. The teachers also report a significant improvement in their own health. They report fewer allergy and asthma symptoms and fewer cases of common respiratory illnesses and infections.

Purifans are quiet, energy efficient and low cost. They mount to the ceiling like a ceiling fan and produce air motion in the room that makes the room more comfortable. They produce NO IONS OR OZONE, but use safe fabric filters and

activated charcoal to remove particulates and odors.

We change the filters in a school 2 times per year. The classrooms will smell better and teachers and students will feel better and have fewer respiratory related illnesses.

Another major benefit of filtered air is that it will reduce the spread of other common respiratory illnesses like colds, influenza, whooping cough and bacterial or viral based respiratory infections. The CDC suggests 12+ air changes per hour, we provide 30 or more.

If we save the teacher or one student just one respiratory illness and just two missed sick days, it is estimated they will save up to \$400 in medical costs and missed work costs. Respiratory illnesses are the number one cause of missed school days for students and teachers.

Children and Teachers Will Perform Better

Another important benefit of cleaning up our classroom air quality by removing particulates and odors is the students and teachers will feel better in the classroom. Teachers from other clean-air schools report that children are more attentive and exhibit fewer of the disruptive behaviors like coughing, sneezing and going to the tissue box to blow their nose.

When children miss less school they don't get behind on their work, and score better on tests. Research reports show as much as an 11-17%

improvement in standardized test scores in schools with the highest air quality compared to those schools with more air quality problems. Given today's fast paced curriculum and amounts of homework, a respiratory illness that causes two missed school days and 6-10 days of medicine can really cause a child to get behind and score one to two grades lower on tests.

We know teachers will miss fewer days and this is also a big plus for keeping the class on track.



Cleaner Air not only keeps children from getting sick and missing school, but they feel better and perform better while in school.

Every child suffers from breathing these particulates, not just those with allergies and asthma. They all show common symptoms like runny noses and headaches that degrade their performance in school.

Where do these particulates come from?

Most classroom particulates arrive on the students when they come into the classroom. They are floating in the air outdoors and include dust, pollen, mold and many other particles created by Mother Nature, autos and industry.

In class, people shed about 1 gram of skin cells every day which adds to the mix. Then whatever the students walk through outside in the parking lots, grass and on sidewalks arrives on the

soles of their shoes and gets mashed into this dust mix on the floor. Chemicals like engine oil, anti-freeze, transmission fluid, bird droppings, fertilizer and anything you can think of gets added to these dust particles. It is no wonder when they are breathed into the nose, sinus canals, ear canals and lungs that people get sick. By capturing these particles, children don't have to breathe as much of this particle stew.

Purifans filter the air 40 times per hour.

We are planning to install two Purifans in most classrooms, and additional units in many other areas of the school. A Purifan is a ceiling fan type of system that filters 2,000 cubic feet of air per minute. This means the air in a 20 x 20 foot area is filtered every 90 seconds or 40 times per hour.

By capturing these particles in filters, the air is cleaner and fewer particles can go up the noses with every breath

taken by a student or teacher. By eliminating these particles and odors, we believe students and teachers will feel better in class and have fewer bouts of respiratory related illness.

Reducing these floating dust particles will also reduce the spread of common illnesses like cold, influenza, whooping cough and others. The Purifans also capture odors which will also help people feel better in class.

Purifans Clean the Air in Homes, Offices & Bars

Purifans are commercial grade air cleaners and are in use in many very difficult applications including bars, restaurants and clubs.

Purifans are low cost and are installed in many homes. They can filter all the air in a bedroom more than 40 times per hour, helping reduce the symptoms of allergies and asthma for adults and children. Purifans are also used in homeless shelter, nursing homes,

offices, pet stores and many other difficult commercial air cleaning applications.

This means they are not only ideal for your school, but many teachers and families install them in their home. Sleeping in cleaner air will give your respiratory system a chance to recover from all the dust and allergens you inhale everyday.

What Teachers and School Nurses Report

Teachers have reported that the children in their classrooms cough less, need fewer tissues and feel better with fewer headache. Many teachers report they can go to school without their daily allergy medicine.

One of the best reports we get is a dramatic decrease in the need to use inhalers from both teachers and students. This is a direct result of the reduction of airborne allergy triggers in

the classroom air..

Teachers report some children have fewer headaches in class, and seem less agitated and more able to focus and concentrate on their school work.

The schools equipped with Purifans showed dramatic test score improvements in the first year. Children who miss fewer sick days can keep up with their class work.