

# Asthma Trigger Checklist

## *Give Your School an Asthma-Trigger Grade*

Kristen Clason (Indiana University), Dawn H. Gouge (University of Arizona), Carrie Foss (Washington State University), Janet Hurley (Texas AgriLife Extension), and Tim Stock (Oregon State University).

<b><u>Indoor</u></b>	<u>A: Great; Completely Compliant</u>	<u>B: Good; Better than Most</u>	<u>C: Average; Definite Need for Improvement</u>	<u>D: Poor; Urgent Need for Improvement</u>	<u>F: Fail</u>
<u>The campus is clean and uncluttered.</u>	Dust is absent of surfaces and debris is absent on floors and surfaces. Dust mats are in use and clutter is non-existent.	There is minimal dust on a few surfaces and minimal debris on floors. Clutter is present, however it is minimal and dust mats are in use.	There is a fine layer of dust on some surfaces and debris is beginning to accumulate in places on the floor. There are dust mats in major entryways, but clutter is very evident.	There is a layer of dust on some surfaces and debris is beginning to accumulate in places on the floor. There are no dust mats in use, and clutter is very evident.	Dust covers everything and debris has collected in piles in corners on the floor. There are no dust mats and clutter is very evident.
<u>The campus uses “green” cleaning products.</u>	HEPA vacuum systems are used along with micro-fiber cleaning tools. Low VOC “green” cleaning products are the only products used, and calibrated dispensing stations are used.	HEPA vacuum systems are used, however only some cleaning tools are micro-fiber. Additionally, most cleaning products used are low VOC “green” products, and calibrated dispensing stations are used.	Vacuum system is good, but it is not HEPA and only some cleaning tools are micro-fiber. Only some cleaning products are considered low VOC “green” products, and calibrated dispensing stations are not used.	Vacuum system is poor and cleaning tools are not micro-fiber based products. There are zero cleaning products used that are considered low VOC “green” products, and calibrated dispensing stations are not used.	The vacuum system hardly works/is used. There are zero cleaning tools made of micro-fiber and zero cleaning products are considered low VOC “green” products, and calibrated dispensing stations are not used.
<u>The indoor humidity level is under 45%.</u>	Humidifiers are not used. Plumbing leaks, roofing leaks and condensation	Humidifiers are not used. There are some plumbing / roofing	Humidifiers are not used. There are some plumbing/roofing	Humidifiers are used. There are plumbing/roofing leaks	Humidifiers are used. There are very serious plumbing/roofing leaks

	are non-existent. There is zero mold growth.	leaks as well as some condensation. There is very little mold growth.	leaks as well as condensation. There is some mold growth.	that need attention and condensation is pooling on floors etc. There is mold growth in several areas.	and condensation is pooling on floors etc. There is a large amount of mold growth in many areas.
<u>There are no furry/ feathery pets on the campus.</u>	<p>There are zero furry/feathery pets in school.</p> <p>Any pet substrates are low VOC, and low dust products. Students are not permitted to clean animal enclosures.</p>	<p>There are no furry/feathery pets in most classrooms, but there may be some in science labs, etc.</p> <p>Any pet substrates are low VOC, and low dust products. Students are not permitted to clean animal enclosures.</p>	<p>There are several furry/feathery pets in the classrooms, but they are restricted to specific areas. Asthmatic students are not allowed to clean out the cage.</p>	<p>There are several furry/feathery pets in the classrooms, but they are restricted to specific areas. Students are allowed to clean out the enclosures.</p>	<p>There are furry/feathery pets in the classrooms, located close to where students sit and work. The students are required to take turns cleaning out the cages.</p>
<u>There are no chemicals / substances with strong odors in the classrooms.</u>	<p>Strong cleaning agents, high VOC paints/adhesives, candles, pesticide sprays/foggers or air fresheners are not allowed, and not present in the classrooms.</p>	<p>Strong cleaning agents, high VOC paints/adhesives, candles, pesticide sprays/foggers are not allowed in the classrooms, however there are some air fresheners apparent.</p>	<p>There are some strong cleaning agents, candles, and air fresheners found in the classrooms, however there are no high VOC paints/adhesives or pesticide sprays/foggers.</p>	<p>There are some strong cleaning agents, candles, air fresheners, and high VOC paints/adhesives found in the classrooms, but there are no pesticide sprays/foggers.</p>	<p>There are several strong cleaning agents, candles, high VOC paints/adhesives, pesticide sprays/foggers and air fresheners found in the classrooms.</p>
<u>The heating/cooling systems are well maintained.</u>	<p>High quality filters are used and changed quarterly. There is no air</p>	<p>High quality filters are used, but they are changed only twice a</p>	<p>Decent quality filters are used, but are only changed twice a year.</p>	<p>Cheap filters are used, and are changed only once a year. There is</p>	<p>Cheap filters are used and have not been changed for 2 or more</p>

	vent obstruction. HVAC systems are inspected and maintained well.	year. There is no air vent obstruction. HVAC systems are inspected and maintained well.	There is some air vent obstruction. HVAC systems are inspected and maintained well	some air vent obstruction. HVAC systems are inspected and maintained when a problem is reported.	years. Ventilation is very poor. HVAC systems functioning poorly.
<u>There are no signs of pest infestation.</u>	<p>Pest droppings, grease marks, chew marks, stash piles, nests, and carcasses are non-existent. Monitoring for pests is a regular part of the pest management system. Peanut butter is never used on mouse traps.</p> <p>There is absolutely no evidence of cockroach or rodent infestations.</p>	<p>There are a few pest conducive conditions that could lead to problems, but no current infestations evident. Monitoring for pests is a regular part of the pest management system. Peanut butter is not used on mouse traps.</p> <p>There is absolutely no evidence of cockroach or rodent infestations</p>	<p>There are pest conducive conditions that could lead to problems, but no current infestations evident. Peanut butter is not being used on traps.</p> <p>There is no monitoring for pests occurring, but there have been no reports of cockroach or mouse activity.</p>	<p>There are indications of pest infestations in pest vulnerable areas. Droppings, dead cockroaches, etc. Peanut- butter may be used on mouse traps.</p>	<p>There are indications of pest infestations throughout. Rodents and/or cockroaches are evident in several places. Peanut butter is being used on traps.</p>
<u>High quality IPM is practiced.</u>	The school monitors and inspects for pests and pest-conductive conditions. There is a district IPM policy and/or committee in place. The district is assessed by an evaluator regularly. Pest management professionals on staff or	The school monitors and inspects for pests and pest-conductive conditions. There is a district IPM policy and/or committee in place.	The school district reacts to pest incidence using the safest options known to them.	The school district reacts to pest problems with no consideration of safer alternatives or pollution prevention strategies.	The school district has no pest management program or policy, and pests and/or pesticide use poses significant health risks to students and staff.

	<p>contracted practice verifiable IPM.</p> <p>The district is STAR certified and used a Green Shield, Ecowise, GreenPro PMP.</p>				
<b><u>Outdoor</u></b>					
<u>There is no smoking on campus.</u>	<p>There is no smoking allowed anywhere on or around the district campuses.</p> <p>There is an antismoking education campaign supported by the district.</p>	<p>There is no smoking allowed on the district campuses, however smokers often smoke directly outside of school property.</p>	<p>There is no smoking allowed on the district campuses, however smokers are occasionally caught breaking rules.</p>	<p>There is no smoking allowed on the district campuses, however smokers are regularly caught breaking rules.</p>	<p>Smoking is uncontrolled on the district campuses.</p>
<u>A “No Bus Idling” policy is in place on campus.</u>	<p>The “No Bus Idling” policy is in place and is followed.</p>	<p>The “No Bus Idling” policy is in place and is almost always followed.</p>	<p>The “No Bus Idling” policy is in place and is usually followed.</p>	<p>The “No Bus Idling” policy is in place but is not followed.</p>	<p>The “No Bus Idling” policy has not been adopted.</p>
<u>The landscape is free of allergenic plants.</u>	<p>Allergenic weeds are absent and turf is not flowering. Plants with known allergenic pollen are not on the premises.</p>	<p>There are some allergenic weeds on the premises, however the turf is not flowering and plants with allergenic pollen are not on the premises.</p>	<p>There are some allergenic weeds on the premises, however the turf is not flowering. There are some plants with allergenic pollen on the premises.</p>	<p>There are allergenic weeds on the premises and the turf is allowed to flower. There are some plants with allergenic pollen on the premises.</p>	<p>There are weeds on the premises and the turf is allowed to flower. There are several species of plants with allergenic pollen on the premises much of the school year.</p>

<u>Leaf-blowers are not used on campus when students are present.</u>	Leaf-blowers are not ever used.	Leaf-blowers are used on campus only when students are not attending school for the day.	Leaf-blowers are used on campus, but used when students are inside the building with the windows and doors closed.	Leaf-blowers are used on campus when students are going to/from the busses.	Leaf-blowers are used on campus at any time.
<u>Motorized mowers and/or trimmers are not used on campus when students are present.</u>	Motorized mowers and/or trimmers are not used on campus when students are present at any time of the day.	Motorized mowers and/or trimmers are used on campus, however they are used before students arrive for the day.	Motorized mowers and/or trimmers are used on campus, but are used when students are inside the building with the windows and doors closed.	Motorized mowers and/or trimmers are used on campus, however they are sometimes used when the windows and/or doors are open.	Motorized mowers and/or trimmers are used on campus at any time.
<u>Walkways on campus are paved, grounds are well maintained..</u>	All walkways on campus are paved. Grounds are well maintained and there is no blowing dust.	All walkways on campus are paved. There is minimal bare ground, and blowing dust.	Not all walkways are paved and there are bare areas which generate dust.	Less than half of the grounds are well maintained and there is an evident dust issue.	The school grounds are unmanaged and blowing dust is a significant issue.
<u>Campus grounds are free of pests.</u>	There are no pests or pest conducive conditions evident on campus grounds. Buildings are pest-proof.	There are no pests, but a few pest conducive conditions exist on campus grounds. Buildings are pest-proof.	There are conducive conditions and some pest activity is evident on campus grounds. Buildings are rodent-proof.	There are pest infestations evident on campus grounds, including commensal rodents. Buildings are rodent-proof.	There are pests on campus grounds, including commensal rodents. Buildings are not rodent-proof.

This rubric was created by Kristen Clason (Indiana University). 10 June 2011, from information compiled by Dawn H. Gouge (University of Arizona), and Carrie Foss (Washington State University). A number of tools are available to assess and reward healthy schools: Healthy SEAT <http://www.epa.gov/schools/healthyseat/index.html>; IPM STAR <http://www.ipminstitute.org/ipmstar.htm>; Green Ribbon <http://www.greenribbonschools.org/>