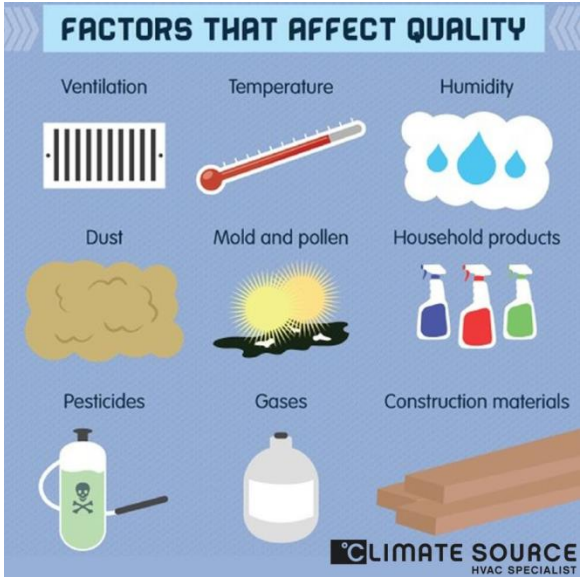



Year 4: Science Environment Knowledge Mat

Subject Specific Vocabulary		Air Quality Information	Important Knowledge
emissions	The production of gas.		<input type="checkbox"/> I know that exhaust fumes can damage health. <input type="checkbox"/> I know that cars can cause damage to air quality. <input type="checkbox"/> I know that reducing the use of fossil fuels, will reduce exhaust emissions and improve air quality. <input type="checkbox"/> I know that carbon dioxide, humidity, dust and dirt can reduce the quality of air in the classroom. <input type="checkbox"/> I know that to improve air quality in the classroom I can: improve ventilation, reduce humidity, and reduce pollution from carbon dioxide, dust and dirt.
air pollution	Air pollution occurs when gases, dust, smoke, or odour get into the air and make it unclean.		<input type="checkbox"/> Working Scientifically <input type="checkbox"/> I can record my observations in bar graphs. <input type="checkbox"/> I can record my ideas using clear scientific vocabulary and symbols in scientific diagrams. <input type="checkbox"/> I can explain why air quality is poor in particular situations using the correct scientific vocabulary. <input type="checkbox"/> I can use an iPad to find ways to improve air quality in school. <input type="checkbox"/> I can write what I have found out in my own words.
fossil fuels	A natural substance formed from the buried remains of ancient organisms that can be used as a source of energy.		
exhaust fumes	The gas that is produced when the engine of a vehicle is running.		
air quality	A measure of how clean or polluted the air is.		
humidity	Having a high amount of water vapour.		
particles	Tiny bits of something. Dust and dirt particles can be found in the air.		
ventilation	A system of providing fresh air.		
pollutant	A substance that makes something (such as air or water) impure and often unsafe.		
carbon dioxide	Carbon dioxide is the gas produced from breathing and from burning certain substances called fossil fuels.		