



# Year 4: Science The Environment Knowledge Mat

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