

Year 8: ASK Yourself!

Subject: Science

Unit 8.6: Our health and the effect of drugs

	Launching 1-2	Developing 3-4	Progressing 5-6	Mastering 7-9
<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #3498db; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-right: 10px;"> S </div> kills </div>				
	<p>I need to explain how exercise, smoking and asthma affect the gas exchange system.</p> <p>I need to investigate a claim linking height to lung volume.</p>	<p>I can partially explain how the parts of the gas exchange system are adapted to their function.</p>	<p>I can confidently find out how recreational drugs might affect different body systems.</p> <p>I can confidently predict the effect of cigarettes, alcohol or drugs on the developing foetus.</p>	<p>I can expertly predict how a change in the gas exchange system could affect other processes in the body.</p> <p>I can expertly evaluate a possible treatment for a lung disease.</p> <p>I can expertly explain how changes in volume and pressure inside the chest move gases in and out of the lungs.</p>
<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #3498db; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-right: 10px;"> K </div> knowledge </div>				
	<p>I need to know that breathing occurs through the action of muscles in the ribcage and diaphragm.</p>	<p>I partially know that in gas exchange, oxygen and carbon dioxide move between alveoli and the blood.</p>	<p>I confidently know that oxygen is transported to cells for aerobic respiration and carbon dioxide, a waste product of respiration, is removed from the body.</p> <p>I confidently know that the amount of oxygen required by body cells determines the rate of breathing.</p>	<p>I understand and can apply a model for showing the mechanism of breathing.</p>