

Year 8: ASK Yourself!

Subject: Science

Unit 8.6: Our health and the effect of drugs

| | Launching | Developing | Progressing | Mastering |
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| S kills | | | | |
| | <p>I need to explain how exercise, smoking and asthma affect the gas exchange system. 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. 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. I can expertly evaluate a possible treatment for a lung disease. I can expertly explain how changes in volume and pressure inside the chest move gases in and out of the lungs.</p> |
| K knowledge | | | | |
| | <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. 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> |