

Science KS3 Assessment Framework

	Beginning Grade 1	Working Towards Grade 2-3	Expected Grade 4-5	Exceeding Grade 6-7	Excelling Grade 8-9
Respiratory System	<p>I can:</p> <p>Name the parts of the gas exchange system.</p> <p>Name some recreational and medicinal drugs.</p>	<p>I can:</p> <p>State that the parts of the gas exchange system are adapted to their function.</p> <p>State that the composition of the air inhaled and exhaled are different using data provided.</p> <p>State what happens to the ribcage and diaphragm during inhaling and exhaling.</p> <p>State one effect of a drug on health or behaviour</p> <p>Make observations during the bell jar experiment.</p> <p>Describe the difference between recreational and medicinal drugs.</p> <p>Name one effect of alcohol on health or behaviour.</p> <p>State whether alcohol affects conception and pregnancy.</p> <p>Name an effect of tobacco smoke on health.</p> <p>State whether or not tobacco smoke affects the development of a foetus.</p>	<p>I can:</p> <p>Describe the structure of the gas exchange system.</p> <p>Describe how the parts of the gas exchange system are adapted to their function.</p> <p>Interpret data given to compare the difference in the composition of inhaled and exhaled air.</p> <p>State what each part of the bell-jar model represents.</p> <p>Describe the effects of drugs on health and behaviour.</p> <p>Interpret experimental observations to draw simple conclusions.</p> <p>Describe the effect of alcohol on health and behaviour.</p> <p>Describe the effect alcohol has on conception and pregnancy.</p> <p>Describe the effects of tobacco smoke on health.</p> <p>Describe the effects of tobacco smoke on pregnancy.</p>	<p>I can:</p> <p>Describe the gas exchange system as an organ system, linking the organs.</p> <p>Explain how the adaptations of the parts of the gas exchange system help them perform their function.</p> <p>Interpret data given to explain the difference in the composition of inhaled and exhaled air.</p> <p>Describe the processes of inhaling and exhaling.</p> <p>Describe how a bell jar can be used to model what happens during breathing.</p> <p>Explain how to measure lung volumes</p> <p>Explain why people take different medicinal and recreational drugs.</p> <p>Explain in detail how alcohol affects health and behaviour, detailing its effect on life processes.</p> <p>Explain how smoking causes disease.</p> <p>Explain which chemicals in tobacco smoke affect the development of a foetus.</p>	<p>I can:</p> <p>Explain how the actions of the ribcage and diaphragm lead to inhaling and exhaling.</p> <p>Explain the similarities and differences between the bell jar and the breathing system.</p> <p>Explain how recreational drugs can have a negative effect on people's lifestyles.</p> <p>Record accurate and detailed observations from an experiment to draw detailed conclusions, and evaluate methods.</p> <p>Explain the importance of providing information about drinking to the general public, not just pregnant women.</p>