| Inspire – Care - Succeed | | | | | | |
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| **Feedback → Action → Response** | | | | | | |
| **8B – Plants and their reproduction.** | | | | | | |
| **Lesson** | **Working towards ARE** | **RAG** | **Meeting ARE** | **RAG** | **Exceeding ARE** | **RAG** |
| **8Ca – Aerobic respiration** | Recall that aerobic respiration is respiration with oxygen | | Model aerobic respiration using a word equation | | Compare burning (combustion) and aerobic respiration. | |
| | | | | | | |
| **8Cb – The Gas exchange system** | Identify major organs involved in breathing and ventilation | | Describe ventilation in terms of muscles contracting and relaxing | | Explain how muscle movement causes pressure differences that allow ventilation. | |
| | Recall the difference between breathing and respiration | | Describe how muscles cause breathing | | | |
| **8Cb – The Gas exchange system** | Recall the structure of the lungs | | Describe what happens in the alveoli | | Explain how cilia are adapted to keep the lungs clean | |
| | Recall how the lungs work | | Describe the adaptations of the alveoli and capillaries | | Explain the importance for the lungs to have a large surface area for gas exchange | |
| **8Cc – getting oxygen** | Describe the changes in pulse rate and breathing rate during exercise | | Explain the changes in pulse and breathing rate during exercise. | | Explain why our breathing rate and pulse remain high after exercise | |
| | List some of the main chemical in cigarette smoke | | Describe the health effects of smoking tobacco. | | Interpret graphs on the effects on smoking | |
| | Recall the drug found in cigarettes | | Describe ways that oxygen supply to tissues can be reduced, and the effect of this. | | | |
| **8Cd – Comparing gas exchange** | Recall the definition for diffusion | | Describe the transfer of substances between blood and tissues. | | Compare the diffusion of gases in different organisms including humans, plants and fish | |
| **8Ce – Anaerobic respiration** | Recall the test for carbon dioxide | | Explain when aerobic respiration and anaerobic respiration occur. | | Compare aerobic and anaerobic respiration | |
| | Recall what happens in anaerobic respiration in humans. | | Describe how lactic acid is removed from tissues | | Explain what EPOC is and what causes it | |
| HSW | | | | | | |
| Homework & Presentation | | | | | | |
| Rewards | | | Test Score (%) | | | |
| Action & Response | | | | | | |

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