Year 8 - Body Systems 2 Learning Journey

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| Lesson | Oi! Remember this! |
| **1.) Structure and function of the Lungs.** |  |
|  | **The lungs are formed from tubes that end on air sacs where gases are exchanged.** |
| **2.) Understanding breathing and Respiration.** |  |
|  | **Respiration is the chemical reaction which releases energy from food.** |
| **3.) Describe food as an energy source.** |  |
|  | **Food is a chemical potential energy store.** |
| **4.) Describe a balanced diet.** |  |
|  | **A balanced diet means that you have not too much nor too little of any of the food groups.** |
| **5.) Define the main food groups.** |  |
|  | **These are Carbohydrates (energy), Proteins (growth and repair), Fats (energy), Vitamins and Minerals.** |
| **6.) Explain Enzyme function.** |  |
|  | **Enzyme are specific due to the specific shape of their active site.** |
| **7.) Investigate conditions that effect Enzyme action.** |  |
|  | **Enzymes will denature if too hot – the active site is damaged.** |
| **8.) Investigate a model gut.** |  |
|  | **Visking tubing is the intestine, water outside is the blood, starch is undigested food and glucose is the smaller, digested food.** |
| **10.)Synoptic Assessment** |  |