**Curriculum Overview** –Year 8 Science

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| Term 1 |  | Term 2 |  | Term 3 |
|  |  |  |  |  |
| Term Start - End |  | Term Start |  | Term Start |
| 26/08/2024 – 13/12/2024 |  | 06/01/2025 – 21/03/2025 |  | 07/04/2025 – 27/07/2025 |
|  |  |  |  |  |
| Becoming a Scientist  8A Food and Nutrition  8C Breathing and respiration  8D Unicellular Organisms |  | 8E Combustion  8G Metals and their uses  8H Rocks |  | 8I Fluids  7L Sound  8J Light  8K Energy transfers |
| **Becoming a Scientist** – This topic is all about how to work safely in the lab, and how to conduct an experiments accurately and correctly.  **8A Food and Nutrition-** In this topic we will learn how our bodies use nutrients, and how we can provide them by eating a balanced diet.  **8C Breathing and respiration-** In this topic we will learn about the importance and applications of respiration, and how there are different types of gas exchange in the body.  **8D Unicellular Organisms –** In this topic we will be learning all about organisms that are one cell big, and the amazing/disastrous applications of them! |  | **8E Combustion –** In this topic we will be learning about the science behind fire! We will also be learning about the negative impacts of burning fuels, and ways in which we can reduce pollution.  **8G Metals and their uses –** In this topic we will be learning about how metals react under different conditions.  **8H Rocks –** In this topic we will be learning about different types of rocks and how different weather conditions can affect them. |  | **8I Fluids –** In this topic we will be learning about the physics behind particles. We will be looking at density, floating and sinking, and how aeroplanes work!  **7L Sound-** In this topic we will be learning all about how we can make, detect and use sounds! We will also be looking at sounds within the animal kingdom,  **8J Light** – In this topic we will look at how we see, and how the processes of reflection and refraction work!  **8K Energy transfers –** In this topic we will be looking into transferring energy, and how we can live in extreme temperatures. |
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| Assessment |  | Assessment |  | Assessment |
| TBA |  | TBA |  | TBA |
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