**Curriculum Overview** –Year 7 Science

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| Term 1 |  | Term 2 |  | Term 3 |
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| Term Start - End |  | Term Start |  | Term Start |
| 26/08/2024 – 13/12/2024 |  | 06/01/2025 – 21/03/2025 |  | 07/04/2025 – 27/06/2025 |
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| Becoming a Scientist  7A Cells, Tissues, Organs and Systems  7B Reproduction  7C Muscles and Bones  7D Ecosystems |  | 7E Mixtures and Separation  7F Acids and Alkalis  7G The Particle Model  7H Atoms, Elements and Compounds |  | 7I Energy  7J Current Electricity  7K Forces  7L Sound |
| **Becoming a Scientist** – This topic is all about how to work safely in the lab, and how to conduct an experiment! We will also all be using Bunsen burners for the first time.  **7A Cells, Tissues, Organs and Systems** – In this topic we learn all about cells, and help contribute to the seven life processes.  **7B Reproduction** – In this topic we will learn all about animal and plant reproduction, and how the human body change during puberty.  **7C Muscles and Bones –** In this topic we will learn about the science behind fitness, and how our skeletal, muscular and circulatory system all work together.  **7D Ecosystems –** In this topic we will learn about variation, adaptations, and food chains! |  | **7E Mixtures and Separation –** In this topic we will be learning about mixtures and how we can separate them using physical techniques!  **7F Acids and Alkalis –** In this topic we will be learning about Acids/Alkalis, their uses, and their hazards!  **7G The Particle Model –** In this topic we will be learning all about particles, and how their arrangement effects their properties  **7H Atoms, Elements and Compounds –** In this topic we will be learning about the elements in the air and the earth. We will be learning about the difference between a metal and a non-metal, and how we can make compounds |  | **7I Energy –** In this topic we will be learning about energy changes and transfers. We will also be learning about fuels and alternative energy resources.  **7J Current Electricity –** In this topic we will be learning all about series and parallel circuits, and the effect of changing current on a circuit  **7K Forces –** In this topic we will be learning about different types of forces, and the effect that balanced and unbalanced forces have on objects  **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, |
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