

Year 8 Autumn Term 1

Year 8 will be starting the year on a practical biology unit allowing them to recall and practice use of several key apparatus along side learning new content around how their bodies work. They will then move onto a physics unit focused on particles and energy.

04/09/2023	11/09/2023	18/09/2023	25/09/2023	02/10/2023	09/10/2023	16/10/2023
week 1	week 2	week 3	week 4	week 5	week 6	week 7
Biology Unit 3						Physics Unit 1
<u>Nutrition and Digestion</u>			<u>Gas Exchange and Respiration</u>			<u>Fluids</u>
<ol style="list-style-type: none"> 1. What is a healthy diet? 2. How can we measure the energy in food? 3. How can we test for nutrients in our food? 4. What are the effects of a poor diet? 5. How do we digest our food? 6. How do enzymes help digest our food? 7. Practical: measure the rate of breakdown of starch by amylase 8. How is the small intestine adapted for absorption of nutrients? 9. How are nutrients absorbed in the small intestine? 			<ol style="list-style-type: none"> 1. How are the lungs specialised for their function? 2. How is gas exchanged in the lungs? 3. Investigate how peak flow and height are related. 4. Investigate how breathing rate and heart rate are related to exercise. 5. How are breathing rate, heart rate and exercised linked? 6. How does smoking effect gas exchange? 7. How are gas exchange and respiration linked? 8. What is anaerobic respiration? 			<ol style="list-style-type: none"> 1. What is density? 2. How does changing state affect density? 3. Why do ice and water act differently to other solid/liquid combinations? 4. How do particles in fluids make pressure? <p>(LIs 5-6 will continue after half term)</p>