

Year 9 Autumn Term 1

Year 9 will be starting the year on 4 week rotations of physics, chemistry and biology. This will complete the KS3 curriculum for them ready to complete their passport to GCSE in the lead up to Christmas.

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
Physics unit 5				Chemistry unit 5		
<u>Forces and their Effects, Resistance and Electromagnetism</u> <ol style="list-style-type: none">1. What is speed?2. How do we use graphs to represent speed?3. How do levers work?4. What are moments?5. How do pulleys work?6. How can we calculate work done?7. What are fields?8. What is current electricity?9. What does resistance do in a circuit?10. What are electromagnets and how do they work?11. How can we make a simple motor?				<u>Making Materials, Reactivity</u> <ol style="list-style-type: none">1. What are ceramics and what are their properties?2. What are polymers and what are their properties?3. What are composites and what are their properties?4. What problems can we come across with different materials?5. How can we recycle materials?6. What is combustion?7. How can energy increase or decrease in a chemical reaction?8. How reactive are different metals?9. How does reactivity affect the reactions of different metals?10. How can we extract metals?11. How can we extract metals using electrolysis? <p>(LIs 10-11 will cover several lessons each, which will continue after the half term)</p>		