

Year 10 Spring Term 1

01/01/2024	08/01/2024	15/01/2024	22/01/2024	29/01/2024	05/02/2024
week 15	week 16	week 17	week 18	week 19	week 20
P3, 7 and 8: Conservation of Energy, Energy – Forces and Work, Forces and Their Effects					C9-12
<p>Conservation of Energy</p> <ol style="list-style-type: none"> How can energy be stored and transferred? What is the conservation of energy? How do we calculate how efficient energy transfers are? How do we control energy transfers – using conductors and insulators? How can we calculate how much energy is stored in an object that is off the ground or moving? What are non-renewable energy resources, how do they work? What are renewable energy resources, how do they work? <p>Energy - Forces and Work Done</p> <ol style="list-style-type: none"> How can energy change a system? What is work done and how can it be measured and calculated? What is power and how is it calculated? <p>Forces and Their Effects</p> <ol style="list-style-type: none"> How can objects affect each other at a distance or when touching? (H) How do we make and resolve forces in a free body diagram? 					<p>C9 Quantitative Chemistry</p> <ol style="list-style-type: none"> How do I calculate relative formula mass? How do we balance equations? How do I calculate empirical formula? How do I calculate the concentration of a solution? How is mass conserved in a chemical reaction? (H) How do we calculate the amount of a substance - moles?