

Combined Science (H) revision topics – Spring 2021 Exams

WB 29<sup>th</sup> March: B1, P1 (All 50 mins papers)

WB 10<sup>th</sup> May: C2, Core Practical skills paper (All 50 mins papers)

<u>Chemistry (C2 Paper)</u>	<u>Practical Skills Paper</u>
<p>C1 – Fundamental principles</p> <ul style="list-style-type: none"><li>• Structure of the atom</li><li>• Balancing equations</li><li>• Ionic equations</li><li>• Testing for gases</li></ul> <p>C6 – Groups in the periodic table</p> <ul style="list-style-type: none"><li>• Types of bonding – covalent, ionic inc. dot and cross diagrams</li><li>• Structure linked properties</li><li>• Group 1 – reactivity &amp; trends</li><li>• Group 7 – properties, reactivity &amp; trends</li></ul> <p>C7 – Rates of reaction</p> <ul style="list-style-type: none"><li>• Rates of reaction and factors affecting rate</li></ul> <p>C8 – Fuels &amp; Earth Sciences</p> <ul style="list-style-type: none"><li>• Energy changes inc. bond energies</li><li>• Complete and incomplete combustion &amp; pollution problems (<b>Extended response</b>)</li><li>• Early atmosphere and changes</li></ul>	<p>Biology practicals:</p> <ul style="list-style-type: none"><li>- Factors affecting enzyme rates</li><li>- Osmosis</li></ul> <p>Chemistry practicals:</p> <ul style="list-style-type: none"><li>- Planning a rate of reaction practical</li><li>- Factors affecting the rate of reaction &amp; energy changes</li></ul> <p>Physics practicals:</p> <ul style="list-style-type: none"><li>- Reaction time</li><li>- Calculating momentum &amp; kinetic energy</li></ul> <p>Remember your general practical skills include:</p> <ul style="list-style-type: none"><li>• Identifying variables</li><li>• Methods</li><li>• Improving accuracy of results</li><li>• Drawing, describing, explaining and making predictions for graphs</li><li>• Calculations using formula</li></ul>