



## Year 11 Revision Schedule 2024-25

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| <b>Subject/Course:</b> | <b>GCSE Chemistry (Separate) – Higher and Foundation</b> |
| <b>Student Name:</b>   |  |

|               |   | Topic   | Key knowledge/skills/questions   | Resources/activities/links  |
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| <b>Week 1</b> | <b>Monday<br/>20<br/>January<br/>2025</b> | Ideal: your weakest topic (identified by you as 'red' on your learning checklist)<br><br>Basic:<br><b>Atomic Structure</b><br>(Paper 1 AND 2) | Atoms, elements & compounds<br>Mixtures (including separation techniques)<br>Development of the model of the atom<br>Subatomic particles – charges, masses, location<br>Isotopes and relative atomic mass <ul style="list-style-type: none"> <li>• Electronic structure</li> </ul> | <p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Relearn material using new sources, eg revision guide, BBC Bitesize</li> <li>• Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see <a href="http://www.hayestl.com">www.hayestl.com</a> for knowledge organiser tips)</li> <li>• Add to your lesson notes using revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions from, eg, revision guide or textbooks</li> </ul> <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Cornell notes successive summarisation of topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for Cornell notes tips)</li> <li>• Mind maps linking concepts and knowledge within the topic and with other topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for mind mapping tips)</li> <li>• Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions (eg, from revision guide or textbooks)</li> <li>• Medium demand knowledge and application questions from, eg, revision work books</li> </ul> High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from <a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a> and <a href="http://www.aqa.org.uk">www.aqa.org.uk</a> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> <li>• <a href="https://www.bbc.co.uk/bitesize/guides/zq2h4qt/revision/1">https://www.bbc.co.uk/bitesize/guides/zq2h4qt/revision/1</a></li> <li>• <a href="https://www.bbc.co.uk/bitesize/guides/zpbkh39/revision/1">https://www.bbc.co.uk/bitesize/guides/zpbkh39/revision/1</a></li> <li>• <a href="https://www.bbc.co.uk/bitesize/guides/z3sg2nb/revision/1">https://www.bbc.co.uk/bitesize/guides/z3sg2nb/revision/1</a></li> <li>• <a href="https://www.youtube.com/watch?v=fN8kH9Vvqo0&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=1">https://www.youtube.com/watch?v=fN8kH9Vvqo0&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=1</a></li> <li>• <a href="https://www.youtube.com/watch?v=iyCLDHG1PCA&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=2">https://www.youtube.com/watch?v=iyCLDHG1PCA&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=2</a></li> <li>• <a href="https://www.youtube.com/watch?v=iBDr0mHyc5M&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=3">https://www.youtube.com/watch?v=iBDr0mHyc5M&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=3</a></li> <li>• <a href="https://www.youtube.com/watch?v=qquOFYOpdl0&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=4">https://www.youtube.com/watch?v=qquOFYOpdl0&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=4</a></li> <li>• <a href="https://www.youtube.com/watch?v=vi_SJBnxmHo&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=5">https://www.youtube.com/watch?v=vi_SJBnxmHo&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=5</a></li> <li>• <a href="https://www.youtube.com/watch?v=eOlnHr9q6Io&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=6">https://www.youtube.com/watch?v=eOlnHr9q6Io&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=6</a></li> <li>• <a href="https://www.youtube.com/watch?v=sG6QoLxwIw4&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=7">https://www.youtube.com/watch?v=sG6QoLxwIw4&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=7</a></li> <li>• <a href="https://www.youtube.com/watch?v=EBKwG25hRPF&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=8">https://www.youtube.com/watch?v=EBKwG25hRPF&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=8</a></li> </ul> |

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| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Week 2</p> | <p style="text-align: center;"><b>Monday<br/>27<br/>January<br/>2025</b></p> | <p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p style="text-align: center;">Basic:<br/><b>Periodic Table</b> (Paper 1 AND 2)</p>          | <p>Modern periodic table<br/>Development of the periodic table<br/>Metals and non-metals<br/>Group 1, Group 7, Group 0<br/>Transition metals</p>   | <p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Relearn material using new sources, eg revision guide, BBC Bitesize</li> <li>• Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see <a href="http://www.hayestl.com">www.hayestl.com</a> for knowledge organiser tips)</li> <li>• Add to your lesson notes using revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions from, eg, revision guide or textbooks</li> </ul> <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Cornell notes successive summarisation of topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for Cornell notes tips)</li> <li>• Mind maps linking concepts and knowledge within the topic and with other topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for mind mapping tips)</li> <li>• Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions (eg, from revision guide or textbooks)</li> <li>• Medium demand knowledge and application questions from, eg, revision work books</li> </ul> <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from <a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a> and <a href="http://www.aqa.org.uk">www.aqa.org.uk</a></p> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> <li>• <a href="https://www.bbc.co.uk/bitesize/guides/zq923k7/revision/1">https://www.bbc.co.uk/bitesize/guides/zq923k7/revision/1</a></li> <li>• <a href="https://www.bbc.co.uk/bitesize/guides/zqwtcj6/revision/1">https://www.bbc.co.uk/bitesize/guides/zqwtcj6/revision/1</a></li> <li>• <a href="https://www.bbc.co.uk/bitesize/guides/z97yw6f/revision/1">https://www.bbc.co.uk/bitesize/guides/z97yw6f/revision/1</a></li> <li>• <a href="https://www.youtube.com/watch?v=IdS9roW7IzM&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=9">https://www.youtube.com/watch?v=IdS9roW7IzM&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=9</a></li> <li>• <a href="https://www.youtube.com/watch?v=Rc2JBp91V7o&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=10">https://www.youtube.com/watch?v=Rc2JBp91V7o&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=10</a></li> <li>• <a href="https://www.youtube.com/watch?v=dZGDUKQa_6g&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=11">https://www.youtube.com/watch?v=dZGDUKQa_6g&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=11</a></li> <li>• <a href="https://www.youtube.com/watch?v=HT1zAPQIBAQ&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=12">https://www.youtube.com/watch?v=HT1zAPQIBAQ&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=12</a></li> </ul> |
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Week 3</p> | <p style="text-align: center;"><b>Monday<br/>3<br/>February<br/>2025</b></p> | <p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p style="text-align: center;">Basic:<br/><b>Structure &amp; Bonding</b> (Paper 1 AND 2)</p> | <p>Ionic bonding<br/>Covalent bonding<br/>Metallic bonding and alloys</p> <ul style="list-style-type: none"> <li>• Giant covalent structures (including polymers, diamond, graphite, graphene and fullerenes)</li> </ul> | <p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Relearn material using new sources, eg revision guide, BBC Bitesize</li> <li>• Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see <a href="http://www.hayestl.com">www.hayestl.com</a> for knowledge organiser tips)</li> <li>• Add to your lesson notes using revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions from, eg, revision guide or textbooks</li> </ul> <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Cornell notes successive summarisation of topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for Cornell notes tips)</li> <li>• Mind maps linking concepts and knowledge within the topic and with other topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for mind mapping tips)</li> <li>• Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions (eg, from revision guide or textbooks)</li> <li>• Medium demand knowledge and application questions from, eg, revision work books</li> </ul> <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from <a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a> and <a href="http://www.aqa.org.uk">www.aqa.org.uk</a></p> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> <li>• <a href="https://www.bbc.co.uk/bitesize/guides/zyydnq8/revision/1">https://www.bbc.co.uk/bitesize/guides/zyydnq8/revision/1</a></li> <li>• <a href="https://www.bbc.co.uk/bitesize/guides/zyydnq8/revision/2">https://www.bbc.co.uk/bitesize/guides/zyydnq8/revision/2</a></li> </ul>  |

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| <b>Week 4</b> | <b>Monday<br/>10<br/>February<br/>2025</b>                   | <p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic:<br/><b>Properties of Matter</b><br/>(Paper 1 AND 2)</p> | <p>States of matter and changes of state<br/>State symbols<br/>Properties of ionic compounds<br/>Properties of small molecules</p> <ul style="list-style-type: none"> <li>• Properties of metals and alloys</li> </ul> | <p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Relearn material using new sources, eg revision guide, BBC Bitesize</li> <li>• Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see <a href="http://www.hayestl.com">www.hayestl.com</a> for knowledge organiser tips)</li> <li>• Add to your lesson notes using revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions from, eg, revision guide or textbooks</li> </ul> <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Cornell notes successive summarisation of topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for Cornell notes tips)</li> <li>• Mind maps linking concepts and knowledge within the topic and with other topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for mind mapping tips)</li> <li>• Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions (eg, from revision guide or textbooks)</li> <li>• Medium demand knowledge and application questions from, eg, revision work books</li> </ul> <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from <a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a> and <a href="http://www.aqa.org.uk">www.aqa.org.uk</a></p> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> <li>• <a href="https://www.bbc.co.uk/bitesize/guides/z93jfcw/revision/1">https://www.bbc.co.uk/bitesize/guides/z93jfcw/revision/1</a></li> <li>• <a href="https://www.bbc.co.uk/bitesize/guides/zyydnq8/revision/4">https://www.bbc.co.uk/bitesize/guides/zyydnq8/revision/4</a></li> <li>• <a href="https://www.bbc.co.uk/bitesize/guides/zcpjfcw/revision/5">https://www.bbc.co.uk/bitesize/guides/zcpjfcw/revision/5</a></li> <li>• <a href="https://www.bbc.co.uk/bitesize/guides/z8m8pbk/revision/1">https://www.bbc.co.uk/bitesize/guides/z8m8pbk/revision/1</a></li> <li>• <a href="https://www.youtube.com/watch?v=6DtrrWA5nke&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=14">https://www.youtube.com/watch?v=6DtrrWA5nke&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=14</a></li> <li>• <a href="https://www.youtube.com/watch?v=kShlfsvWbQ&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=15">https://www.youtube.com/watch?v=kShlfsvWbQ&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=15</a></li> <li>• <a href="https://www.youtube.com/watch?v=d2ogZgGmMDY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=17">https://www.youtube.com/watch?v=d2ogZgGmMDY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=17</a></li> <li>• <a href="https://www.youtube.com/watch?v=b1y2Q6YX1bQ&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=20">https://www.youtube.com/watch?v=b1y2Q6YX1bQ&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=20</a></li> <li>• <a href="https://www.youtube.com/watch?v=hkBrw2fg75U&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=21">https://www.youtube.com/watch?v=hkBrw2fg75U&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=21</a></li> <li>• <a href="https://www.youtube.com/watch?v=70dOzvhN-8M&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=22">https://www.youtube.com/watch?v=70dOzvhN-8M&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=22</a></li> </ul> |
| <b>Week 5</b> | <b>Half<br/>Term<br/>Monday<br/>17<br/>February<br/>2025</b> |  |  |   |

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| Week 6 | <p><b>Monday<br/>24<br/>February<br/>2025</b></p> | <p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic:<br/><b>Quantitative Chemistry I</b><br/>(Paper 1)</p>  | <p>Conservation of mass<br/>Relative formula mass<br/><i>Moles (HT only)</i><br/><i>Reacting masses (HT only)</i></p> <ul style="list-style-type: none"> <li><i>Limiting reactant (HT only)</i></li> </ul>   | <p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> <li>Relearn material using new sources, eg revision guide, BBC Bitesize</li> <li>Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see <a href="http://www.hayestl.com">www.hayestl.com</a> for knowledge organiser tips)</li> <li>Add to your lesson notes using revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> <li>Low demand knowledge checking questions from, eg, revision guide or textbooks</li> </ul> <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> <li>Cornell notes successive summarisation of topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for Cornell notes tips)</li> <li>Mind maps linking concepts and knowledge within the topic and with other topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for mind mapping tips)</li> <li>Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> <li>Low demand knowledge checking questions (eg, from revision guide or textbooks)</li> </ul> <p>Medium demand knowledge and application questions from, eg, revision work books</p> <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from <a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a> and <a href="http://www.aqa.org.uk">www.aqa.org.uk</a></p> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> <li><a href="https://www.bbc.co.uk/bitesize/guides/zqcyw6f/revision/1">https://www.bbc.co.uk/bitesize/guides/zqcyw6f/revision/1</a></li> <li><a href="https://www.bbc.co.uk/bitesize/guides/z3kg2nb/revision/1">https://www.bbc.co.uk/bitesize/guides/z3kg2nb/revision/1</a></li> <li><a href="https://www.youtube.com/watch?v=it_fmQu5ivq&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=24">https://www.youtube.com/watch?v=it_fmQu5ivq&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=24</a></li> <li><a href="https://www.youtube.com/watch?v=wPGVQu3UXpw&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=25">https://www.youtube.com/watch?v=wPGVQu3UXpw&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=25</a></li> <li><a href="https://www.youtube.com/watch?v=M-De2IMayco&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=26">https://www.youtube.com/watch?v=M-De2IMayco&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=26</a></li> <li><a href="https://www.youtube.com/watch?v=TKDOyR7WKQO&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=27">https://www.youtube.com/watch?v=TKDOyR7WKQO&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=27</a></li> </ul> |
| Week 7 | <p><b>Monday<br/>3 March<br/>2025</b></p>         | <p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic:<br/><b>Quantitative Chemistry II</b><br/>(Paper 1)</p> | <p>Concentration<br/>Titrations<br/>Percentage yield<br/>Atom economy<br/><i>Gas volumes (HT only)</i></p> <ul style="list-style-type: none"> <li><b>Required practical 2: determination of the concentration of a solution using titration</b></li> </ul> | <p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> <li>Relearn material using new sources, eg revision guide, BBC Bitesize</li> <li>Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see <a href="http://www.hayestl.com">www.hayestl.com</a> for knowledge organiser tips)</li> <li>Add to your lesson notes using revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> <li>Low demand knowledge checking questions from, eg, revision guide or textbooks</li> </ul> <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> <li>Cornell notes successive summarisation of topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for Cornell notes tips)</li> <li>Mind maps linking concepts and knowledge within the topic and with other topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for mind mapping tips)</li> <li>Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> <li>Low demand knowledge checking questions (eg, from revision guide or textbooks)</li> <li>Medium demand knowledge and application questions from, eg, revision work books</li> </ul> <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from <a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a> and <a href="http://www.aqa.org.uk">www.aqa.org.uk</a></p> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> <li><a href="https://www.bbc.co.uk/bitesize/guides/z3kg2nb/revision/5">https://www.bbc.co.uk/bitesize/guides/z3kg2nb/revision/5</a></li> <li><a href="https://www.bbc.co.uk/bitesize/guides/z3kg2nb/revision/6">https://www.bbc.co.uk/bitesize/guides/z3kg2nb/revision/6</a></li> <li><a href="https://www.bbc.co.uk/bitesize/guides/z8wkh39/revision/1">https://www.bbc.co.uk/bitesize/guides/z8wkh39/revision/1</a></li> </ul>  |

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| Week 8 | Monday<br>10<br>March<br>2025 | <p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic:<br/><b>Chemical Changes I</b><br/>(Paper 1)</p>  | <p>Reactions of acids<br/>Neutralisation<br/>Soluble salts<br/>pH scale<br/><i>Strong and weak acids (HT only)</i><br/>Reactivity series<br/>Extraction of metals and reduction<br/><i>Redox (HT only)</i></p> <ul style="list-style-type: none"> <li><b>Required practical 1: preparation of a pure, dry soluble salt</b></li> </ul> | <p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> <li>Relearn material using new sources, eg revision guide, BBC Bitesize</li> <li>Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see <a href="http://www.hayestl.com">www.hayestl.com</a> for knowledge organiser tips)</li> <li>Add to your lesson notes using revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> <li>Low demand knowledge checking questions from, eg, revision guide or textbooks</li> </ul> <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> <li>Cornell notes successive summarisation of topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for Cornell notes tips)</li> <li>Mind maps linking concepts and knowledge within the topic and with other topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for mind mapping tips)</li> <li>Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> <li>Low demand knowledge checking questions (eg, from revision guide or textbooks)</li> <li>Medium demand knowledge and application questions from, eg, revision work books</li> </ul> <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from <a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a> and <a href="http://www.aqa.org.uk">www.aqa.org.uk</a></p> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> <li><a href="https://www.bbc.co.uk/bitesize/guides/zsm7v9q/revision/1">https://www.bbc.co.uk/bitesize/guides/zsm7v9q/revision/1</a></li> <li><a href="https://www.bbc.co.uk/bitesize/guides/zcjfvcw/revision/1">https://www.bbc.co.uk/bitesize/guides/zcjfvcw/revision/1</a></li> <li><a href="https://www.youtube.com/watch?v=vt8fB3MFzLk&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=34">https://www.youtube.com/watch?v=vt8fB3MFzLk&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=34</a></li> <li><a href="https://www.youtube.com/watch?v=qYBzkgqmE&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=35">https://www.youtube.com/watch?v=qYBzkgqmE&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=35</a></li> <li><a href="https://www.youtube.com/watch?v=IBjwMCHUyBY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=36">https://www.youtube.com/watch?v=IBjwMCHUyBY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=36</a></li> <li><a href="https://www.youtube.com/watch?v=2i5Lm7BMtpo&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=37">https://www.youtube.com/watch?v=2i5Lm7BMtpo&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=37</a></li> <li><a href="https://www.youtube.com/watch?v=qvNuMpxqG7Q&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=38">https://www.youtube.com/watch?v=qvNuMpxqG7Q&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=38</a></li> <li><a href="https://www.youtube.com/watch?v=jyvcVjrZnJA&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=39">https://www.youtube.com/watch?v=jyvcVjrZnJA&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=39</a></li> <li><a href="https://www.youtube.com/watch?v=qIOMlwBoe_4&amp;list=PLAd0MSIZBSsEvgAZyDRkK0PqQZ6uiC98F&amp;index=1">https://www.youtube.com/watch?v=qIOMlwBoe_4&amp;list=PLAd0MSIZBSsEvgAZyDRkK0PqQZ6uiC98F&amp;index=1</a></li> </ul> |
| Week 9 | Monday<br>17<br>March<br>2025 | <p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic:<br/><b>Chemical Changes II</b><br/>(Paper 1)</p> | <p>Electrolysis of molten ionic compounds<br/>Using electrolysis to extract metals<br/>Electrolysis of aqueous solutions<br/><i>Half equations (HT only)</i></p> <ul style="list-style-type: none"> <li><b>Required practical 3: electrolysis of aqueous solutions</b></li> </ul>   | <p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> <li>Relearn material using new sources, eg revision guide, BBC Bitesize</li> <li>Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see <a href="http://www.hayestl.com">www.hayestl.com</a> for knowledge organiser tips)</li> <li>Add to your lesson notes using revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> <li>Low demand knowledge checking questions from, eg, revision guide or textbooks</li> </ul> <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> <li>Cornell notes successive summarisation of topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for Cornell notes tips)</li> <li>Mind maps linking concepts and knowledge within the topic and with other topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for mind mapping tips)</li> <li>Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Core coverage' – practice tasks:</i></p>   |

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| Week 10 | Monday<br>24<br>March<br>2025 | <p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: <b>Energy Changes</b> (Paper 1)</p>    | <p>Exothermic and endothermic reactions<br/>Reaction profiles<br/><i>Energy change of reactions (HT only)</i><br/>Cells and batteries<br/>Fuel cells</p> <ul style="list-style-type: none"> <li><b>Required practical 4: investigate the variables that affect temperature changes in reacting solutions</b></li> </ul> <p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> <li>Relearn material using new sources, eg revision guide, BBC Bitesize</li> <li>Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see <a href="http://www.hayestl.com">www.hayestl.com</a> for knowledge organiser tips)</li> <li>Add to your lesson notes using revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> <li>Low demand knowledge checking questions from, eg, revision guide or textbooks</li> </ul> <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> <li>Cornell notes successive summarisation of topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for Cornell notes tips)</li> <li>Mind maps linking concepts and knowledge within the topic and with other topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for mind mapping tips)</li> <li>Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> <li>Low demand knowledge checking questions (eg, from revision guide or textbooks)</li> <li>Medium demand knowledge and application questions from, eg, revision work books</li> <li>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from <a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a> and <a href="http://www.aqa.org.uk">www.aqa.org.uk</a></li> </ul> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> <li><a href="https://www.bbc.co.uk/bitesize/topics/z34kqdm">https://www.bbc.co.uk/bitesize/topics/z34kqdm</a></li> <li><a href="https://www.youtube.com/watch?v=dstRL5xB0Sk&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=43">https://www.youtube.com/watch?v=dstRL5xB0Sk&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=43</a></li> <li><a href="https://www.youtube.com/watch?v=it0HGxhxD-s&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=44">https://www.youtube.com/watch?v=it0HGxhxD-s&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=44</a></li> <li><a href="https://www.youtube.com/watch?v=8xeB_O_fyzM&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=45">https://www.youtube.com/watch?v=8xeB_O_fyzM&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=45</a></li> <li><a href="https://www.youtube.com/watch?v=tKxcQYZ2YH8&amp;list=PLAd0MSIZBSsEvgAZyDRkK0PqQZ6uiC98F&amp;index=5">https://www.youtube.com/watch?v=tKxcQYZ2YH8&amp;list=PLAd0MSIZBSsEvgAZyDRkK0PqQZ6uiC98F&amp;index=5</a></li> </ul> |
| Week 11 | Monday<br>31<br>March<br>2025 | <p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: <b>Rate and Extent of Chemical</b></p> | <p>Calculating rate<br/>Factors affecting rate<br/>Collision theory<br/>Catalysts<br/>Reversible reactions<br/><i>LeChatelier's Principle (HT only)</i></p> <ul style="list-style-type: none"> <li><b>Required practical 5: investigate how changes in concentration affect the rate of reaction (two methods)</b></li> </ul> <p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> <li>Relearn material using new sources, eg revision guide, BBC Bitesize</li> <li>Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see <a href="http://www.hayestl.com">www.hayestl.com</a> for knowledge organiser tips)</li> <li>Add to your lesson notes using revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> <li>Low demand knowledge checking questions from, eg, revision guide or textbooks</li> </ul> <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> <li>Cornell notes successive summarisation of topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for Cornell notes tips)</li> <li>Mind maps linking concepts and knowledge within the topic and with other topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for mind mapping tips)</li> <li>Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize</li> </ul>   |

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|                       |  | <p><b>Change</b><br/>(Paper 2)</p>  |  | <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions (eg, from revision guide or textbooks)</li> <li>• Medium demand knowledge and application questions from, eg, revision work books</li> </ul> <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from <a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a> and <a href="http://www.aqa.org.uk">www.aqa.org.uk</a></p> <p>Bitesize and Youtube links:</p> <ul style="list-style-type: none"> <li>• <a href="https://www.bbc.co.uk/bitesize/topics/zs3qfcw">https://www.bbc.co.uk/bitesize/topics/zs3qfcw</a></li> <li>• <a href="https://www.youtube.com/watch?v=SPXany3-hU&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=46">https://www.youtube.com/watch?v=SPXany3-hU&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=46</a></li> <li>• <a href="https://www.youtube.com/watch?v=-4HXaUBbv04&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=47">https://www.youtube.com/watch?v=-4HXaUBbv04&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=47</a></li> <li>• <a href="https://www.youtube.com/watch?v=GCR5xeduq2o&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=48">https://www.youtube.com/watch?v=GCR5xeduq2o&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=48</a></li> <li>• <a href="https://www.youtube.com/watch?v=ty9TczsW5ew&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=49">https://www.youtube.com/watch?v=ty9TczsW5ew&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=49</a></li> <li>• <a href="https://www.youtube.com/watch?v=IYyoncESnmQ&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=50">https://www.youtube.com/watch?v=IYyoncESnmQ&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=50</a></li> <li>• <a href="https://www.youtube.com/watch?v=GI6LVI7oAIU&amp;list=PLAd0MSIZBSsEygAZyDRkk0PqQZ6uiC98F&amp;index=3">https://www.youtube.com/watch?v=GI6LVI7oAIU&amp;list=PLAd0MSIZBSsEygAZyDRkk0PqQZ6uiC98F&amp;index=3</a></li> <li>• <a href="https://www.youtube.com/watch?v=ssa3wh3Rnt0&amp;list=PLAd0MSIZBSsEygAZyDRkk0PqQZ6uiC98F&amp;index=4">https://www.youtube.com/watch?v=ssa3wh3Rnt0&amp;list=PLAd0MSIZBSsEygAZyDRkk0PqQZ6uiC98F&amp;index=4</a></li> </ul>   |
| <p><b>Week 12</b></p> | <p><b>Easter Monday</b><br/><b>7 April</b><br/><b>2025</b></p> | <p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic:<br/><b>Organic Chemistry</b><br/>(Paper 2)</p> | <p>Crude oil, hydrocarbons and alkanes<br/>Fractional distillation<br/>Properties of hydrocarbons<br/>Cracking and alkenes<br/>Reactions of alkenes<br/>Alcohols<br/>Carboxylic acids<br/>Addition polymerisation<br/><i>Condensation polymerisation (HT only)</i><br/><i>Naturally occurring polymers (HT only)</i></p> | <p><i>'Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Relearn material using new sources, eg revision guide, BBC Bitesize</li> <li>• Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see <a href="http://www.hayestl.com">www.hayestl.com</a> for knowledge organiser tips)</li> <li>• Add to your lesson notes using revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions from, eg, revision guide or textbooks</li> </ul> <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Cornell notes successive summarisation of topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for Cornell notes tips)</li> <li>• Mind maps linking concepts and knowledge within the topic and with other topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for mind mapping tips)</li> <li>• Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions (eg, from revision guide or textbooks)</li> <li>• Medium demand knowledge and application questions from, eg, revision work books</li> </ul> <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from <a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a> and <a href="http://www.aqa.org.uk">www.aqa.org.uk</a></p> <p>Bitesize and Youtube Links:</p> <ul style="list-style-type: none"> <li>• <a href="https://www.bbc.co.uk/bitesize/topics/ztsyh39">https://www.bbc.co.uk/bitesize/topics/ztsyh39</a></li> <li>• <a href="https://www.youtube.com/watch?v=ykIFtTjoso&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=51">https://www.youtube.com/watch?v=ykIFtTjoso&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=51</a></li> <li>• <a href="https://www.youtube.com/watch?v=F8J2FirbIxo&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=52">https://www.youtube.com/watch?v=F8J2FirbIxo&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=52</a></li> <li>• <a href="https://www.youtube.com/watch?v=CjmriZq5xRo&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=53">https://www.youtube.com/watch?v=CjmriZq5xRo&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=53</a></li> <li>• <a href="https://www.youtube.com/watch?v=bOiYLKX9ZRY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=54">https://www.youtube.com/watch?v=bOiYLKX9ZRY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=54</a></li> <li>• <a href="https://www.youtube.com/watch?v=83Is-rouV-U&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=55">https://www.youtube.com/watch?v=83Is-rouV-U&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=55</a></li> <li>• <a href="https://www.youtube.com/watch?v=1ZUg6ZC3ItA&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=56">https://www.youtube.com/watch?v=1ZUg6ZC3ItA&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=56</a></li> <li>• <a href="https://www.youtube.com/watch?v=vVwLa1fRsVY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=57">https://www.youtube.com/watch?v=vVwLa1fRsVY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=57</a></li> <li>• <a href="https://www.youtube.com/watch?v=ED9EU3FfzyU&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=58">https://www.youtube.com/watch?v=ED9EU3FfzyU&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=58</a></li> <li>• <a href="https://www.youtube.com/watch?v=cYgRd4rXY6I&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=59">https://www.youtube.com/watch?v=cYgRd4rXY6I&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=59</a></li> <li>• <a href="https://www.youtube.com/watch?v=U-eCXeFwTqY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=60">https://www.youtube.com/watch?v=U-eCXeFwTqY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=60</a></li> <li>• <a href="https://www.youtube.com/watch?v=7o27fh0_nm0&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=61">https://www.youtube.com/watch?v=7o27fh0_nm0&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=61</a></li> </ul> |

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| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Week 13</p> | <p><b>Easter Monday 14 April 2025</b></p> | <p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: <b>Chemical Analysis</b> (Paper 2)</p>           | <p>Purity and formulations<br/>Chromatography<br/>Tests for gases<br/>Flame tests and metal hydroxide precipitates<br/>Anion tests (carbonates, halides &amp; sulfates)<br/>Instrumental methods and flame emission spectroscopy<br/><b>Required practical 6: paper chromatography</b><br/><b>Required practical 7: chemical tests to identify ions</b></p> | <p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Relearn material using new sources, eg revision guide, BBC Bitesize</li> <li>• Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see <a href="http://www.hayestl.com">www.hayestl.com</a> for knowledge organiser tips)</li> <li>• Add to your lesson notes using revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions from, eg, revision guide or textbooks</li> </ul> <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Cornell notes successive summarisation of topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for Cornell notes tips)</li> <li>• Mind maps linking concepts and knowledge within the topic and with other topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for mind mapping tips)</li> <li>• Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions (eg, from revision guide or textbooks)</li> <li>• Medium demand knowledge and application questions from, eg, revision work books</li> </ul> <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from <a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a> and <a href="http://www.aqa.org.uk">www.aqa.org.uk</a></p> <p>Bitesize and Youtube links:</p> <ul style="list-style-type: none"> <li>• <a href="https://www.bbc.co.uk/bitesize/topics/z2tpmsg">https://www.bbc.co.uk/bitesize/topics/z2tpmsg</a></li> <li>• <a href="https://www.youtube.com/watch?v=-OtJI-R-4rU&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=62">https://www.youtube.com/watch?v=-OtJI-R-4rU&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=62</a></li> <li>• <a href="https://www.youtube.com/watch?v=TdJ57SQ6GAQ&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=63">https://www.youtube.com/watch?v=TdJ57SQ6GAQ&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=63</a></li> <li>• <a href="https://www.youtube.com/watch?v=bcRGfSIMIMw&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=64">https://www.youtube.com/watch?v=bcRGfSIMIMw&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=64</a></li> <li>• <a href="https://www.youtube.com/watch?v=mWTgHjdea4Y&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=65">https://www.youtube.com/watch?v=mWTgHjdea4Y&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=65</a></li> <li>• <a href="https://www.youtube.com/watch?v=1BCc_RrrSSw&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=66">https://www.youtube.com/watch?v=1BCc_RrrSSw&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=66</a></li> </ul> |
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Week 14</p> | <p><b>Monday 21 April 2025</b></p>        | <p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: <b>Chemistry of the Atmosphere</b> (Paper 2)</p> | <p>Composition of the atmosphere<br/>Evolution of the atmosphere<br/>Greenhouse gases<br/>Climate change<br/>Carbon footprint<br/>Atmospheric pollutants</p>  | <p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Relearn material using new sources, eg revision guide, BBC Bitesize</li> <li>• Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see <a href="http://www.hayestl.com">www.hayestl.com</a> for knowledge organiser tips)</li> <li>• Add to your lesson notes using revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions from, eg, revision guide or textbooks</li> </ul> <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Cornell notes successive summarisation of topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for Cornell notes tips)</li> <li>• Mind maps linking concepts and knowledge within the topic and with other topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for mind mapping tips)</li> <li>• Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions (eg, from revision guide or textbooks)</li> <li>• Medium demand knowledge and application questions from, eg, revision work books</li> </ul> <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from <a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a> and <a href="http://www.aqa.org.uk">www.aqa.org.uk</a></p> <p>Bitesize and Youtube links:</p> <ul style="list-style-type: none"> <li>• <a href="https://www.bbc.co.uk/bitesize/topics/zw2xjty">https://www.bbc.co.uk/bitesize/topics/zw2xjty</a></li> <li>• <a href="https://www.youtube.com/watch?v=l0h_-3M0Pso&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=67">https://www.youtube.com/watch?v=l0h_-3M0Pso&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=67</a></li> <li>• <a href="https://www.youtube.com/watch?v=Z_b2A-d5hGY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=68">https://www.youtube.com/watch?v=Z_b2A-d5hGY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&amp;index=68</a></li> </ul>  |



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|         |                            |   |   | <ul style="list-style-type: none"> <li>• <a href="https://www.youtube.com/watch?v=Mvp97_BP84&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=69">https://www.youtube.com/watch?v=Mvp97_BP84&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=69</a></li> <li>• <a href="https://www.youtube.com/watch?v=Mvp97_BP84&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=69">https://www.youtube.com/watch?v=Mvp97_BP84&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=69</a></li> <li>• <a href="https://www.youtube.com/watch?v=pnTGNAfu6GE&amp;list=PLAd0MSIZBSsEygAZyDRkK0PqQZ6uiC98F&amp;index=2">https://www.youtube.com/watch?v=pnTGNAfu6GE&amp;list=PLAd0MSIZBSsEygAZyDRkK0PqQZ6uiC98F&amp;index=2</a></li> <li>• <a href="https://www.youtube.com/watch?v=fCZztwJmAl0&amp;list=PLAd0MSIZBSsEygAZyDRkK0PqQZ6uiC98F&amp;index=8">https://www.youtube.com/watch?v=fCZztwJmAl0&amp;list=PLAd0MSIZBSsEygAZyDRkK0PqQZ6uiC98F&amp;index=8</a></li> </ul>   |
| Week 15 | Monday<br>28 April<br>2025 | <p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: <b>Using Resources</b> (Paper 2)</p> | <p>Sustainable development<br/>Potable water<br/><i>Alternative methods of extracting metals (HT only)</i><br/>Life cycle assessment<br/>Reducing the use of resources<br/>Corrosion and its prevention<br/>Ceramics, polymers and composites<br/>The Haber process<br/>NPK fertilisers<br/><b>Required practical 8: analysis and purification of water samples</b></p> | <p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Relearn material using new sources, eg revision guide, BBC Bitesize</li> <li>• Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see <a href="http://www.hayestl.com">www.hayestl.com</a> for knowledge organiser tips)</li> <li>• Add to your lesson notes using revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions from, eg, revision guide or textbooks</li> </ul> <p><i>Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> <li>• Cornell notes successive summarisation of topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for Cornell notes tips)</li> <li>• Mind maps linking concepts and knowledge within the topic and with other topics (see <a href="http://www.hayestl.com">www.hayestl.com</a> for mind mapping tips)</li> <li>• Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize</li> </ul> <p><i>Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> <li>• Low demand knowledge checking questions (eg, from revision guide or textbooks)</li> <li>• Medium demand knowledge and application questions from, eg, revision work books</li> </ul> <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from <a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a> and <a href="http://www.aqa.org.uk">www.aqa.org.uk</a></p> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> <li>• <a href="https://www.bbc.co.uk/bitesize/topics/z9wqk2p">https://www.bbc.co.uk/bitesize/topics/z9wqk2p</a></li> <li>• <a href="https://www.youtube.com/watch?v=q0CAFV-YdY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=71">https://www.youtube.com/watch?v=q0CAFV-YdY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=71</a></li> <li>• <a href="https://www.youtube.com/watch?v=obb-ZHqBw10&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=72">https://www.youtube.com/watch?v=obb-ZHqBw10&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=72</a></li> <li>• <a href="https://www.youtube.com/watch?v=ScY_Yb1V8AY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=73">https://www.youtube.com/watch?v=ScY_Yb1V8AY&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=73</a></li> <li>• <a href="https://www.youtube.com/watch?v=PDeiRIQvWnM&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=74">https://www.youtube.com/watch?v=PDeiRIQvWnM&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=74</a></li> <li>• <a href="https://www.youtube.com/watch?v=jLaeBykDwaM&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=75">https://www.youtube.com/watch?v=jLaeBykDwaM&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=75</a></li> <li>• <a href="https://www.youtube.com/watch?v=1_HoWz5Kxfk&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=76">https://www.youtube.com/watch?v=1_HoWz5Kxfk&amp;list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&amp;index=76</a></li> <li>• <a href="https://www.youtube.com/watch?v= UGHsbTEBvA&amp;list=PLAd0MSIZBSsEygAZyDRkK0PqQZ6uiC98F&amp;index=9">https://www.youtube.com/watch?v= UGHsbTEBvA&amp;list=PLAd0MSIZBSsEygAZyDRkK0PqQZ6uiC98F&amp;index=9</a></li> </ul> |
| Week 16 | Monday<br>5 May<br>2025    | Exam<br>Technique   | <p>Command words<br/>Required practicals (1 &amp; 2)<br/>Working Scientifically skills<br/>Mathematical skills</p>  |  |
| Week 17 | Monday<br>12 May<br>2025   | Exam<br>Technique   | <p>Command words<br/>Required practicals (3 &amp; 4)<br/>Working Scientifically skills<br/>Mathematical skills</p>  |  |
| Week 18 | Monday<br>19 May<br>2025   | <b>19<sup>th</sup> May –<br/>Chemistry<br/>Paper 1<br/>Exam (AM)</b>  |   |  |

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| <b>Week 19</b> | <b>Half Term<br/>Monday<br/>26 May<br/>2025</b> | Exam<br>Technique   | Command words<br>Required practical (5)<br>Working Scientifically skills<br>Mathematical skills      |  |
| <b>Week 20</b> | <b>Monday<br/>2 June<br/>2025</b>               | Exam<br>Technique   | Command words<br>Required practicals (6 & 7)<br>Working Scientifically skills<br>Mathematical skills |  |
| <b>Week 21</b> | <b>Monday<br/>9 June<br/>2025</b>               | <b>13<sup>th</sup> June –<br/>Chemistry<br/>paper 2<br/>Exam (AM)</b> | Command words<br>Required practical (8)<br>Working Scientifically skills<br>Mathematical skills      |  |