

# Chemistry

## Year 9

[https://www.youtube.com/channel/UCqbOeHaAUXw9II7sBVG3\\_bw](https://www.youtube.com/channel/UCqbOeHaAUXw9II7sBVG3_bw)

	What is being learnt?	Remote learning links
Autumn 1 (Sep-Oct)	<ul style="list-style-type: none"><li>• C1 Atomic Structure (C1.1,C1.2, C1.5-C1.8)</li><li>• C2 The Periodic Table (C2.1-C2.5)</li></ul>	<p><a href="https://www.bbc.co.uk/bitesize/guides/zg2h4qt/revision/1">https://www.bbc.co.uk/bitesize/guides/zg2h4qt/revision/1</a> <a href="https://www.bbc.co.uk/bitesize/guides/z3sg2nb/revision/1">https://www.bbc.co.uk/bitesize/guides/z3sg2nb/revision/1</a> <a href="https://teachers.thenational.academy/units/atomic-structure-and-periodic-table-c831">https://teachers.thenational.academy/units/atomic-structure-and-periodic-table-c831</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/zg923k7/revision/1">https://www.bbc.co.uk/bitesize/guides/zg923k7/revision/1</a> <a href="https://www.bbc.co.uk/bitesize/guides/zqwtcj6/revision/1">https://www.bbc.co.uk/bitesize/guides/zqwtcj6/revision/1</a> <a href="https://teachers.thenational.academy/units/atomic-structure-and-periodic-table-c831">https://teachers.thenational.academy/units/atomic-structure-and-periodic-table-c831</a></p>
Autumn 2 (Nov-Dec)	<ul style="list-style-type: none"><li>• Continuation of The Periodic Table</li><li>• C3 Structure and Bonding (C3.1-C3.4)</li></ul>	<p><a href="https://www.bbc.co.uk/bitesize/guides/z93jfcw/revision/1">https://www.bbc.co.uk/bitesize/guides/z93jfcw/revision/1</a> <a href="https://www.bbc.co.uk/bitesize/guides/zyydng8/revision/1">https://www.bbc.co.uk/bitesize/guides/zyydng8/revision/1</a> <a href="https://teachers.thenational.academy/units/bonding-structure-and-the-properties-of-matter-e93f">https://teachers.thenational.academy/units/bonding-structure-and-the-properties-of-matter-e93f</a></p>

Winter 3 (Jan-Feb)	<p>Continuation of Term 2</p> <p>Ionic Bonding (C3.1-3.4)</p> <p>Metallic Bonding (C3.9-3.10)</p>	<p><a href="https://teachers.thenational.academy/units/bonding-structure-and-the-properties-of-matter-e93f">https://teachers.thenational.academy/units/bonding-structure-and-the-properties-of-matter-e93f</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/zyydng8/revision/1">https://www.bbc.co.uk/bitesize/guides/zyydng8/revision/1</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/z8db7p3/revision/1">https://www.bbc.co.uk/bitesize/guides/z8db7p3/revision/1</a></p>
Spring 4 (Feb-Mar)	<ul style="list-style-type: none"> <li>Continuation of Term 3</li> <li>Covalent Bonding (C3.5-3.8)</li> </ul>	<p><a href="https://teachers.thenational.academy/units/bonding-structure-and-the-properties-of-matter-e93f">https://teachers.thenational.academy/units/bonding-structure-and-the-properties-of-matter-e93f</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/zcpjfcw/revision/1">https://www.bbc.co.uk/bitesize/guides/zcpjfcw/revision/1</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/z9twsrd/revision/1">https://www.bbc.co.uk/bitesize/guides/z9twsrd/revision/1</a></p>
Summer 6 (Jun-Jul)	<ul style="list-style-type: none"> <li>Earth's Resources C12</li> </ul>	<p><a href="https://classroom.thenational.academy/lessons/finite-resources-6xh6ac">https://classroom.thenational.academy/lessons/finite-resources-6xh6ac</a></p> <p><a href="https://classroom.thenational.academy/lessons/life-cycle-assessments-6dhkae">https://classroom.thenational.academy/lessons/life-cycle-assessments-6dhkae</a></p> <p><a href="https://classroom.thenational.academy/lessons/phytomining-and-bioleaching-70tp4c">https://classroom.thenational.academy/lessons/phytomining-and-bioleaching-70tp4c</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/zgqhcg6/revision/2">https://www.bbc.co.uk/bitesize/guides/zgqhcg6/revision/2</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/z96ydxs/revision/1">https://www.bbc.co.uk/bitesize/guides/z96ydxs/revision/1</a></p>

# Year 10

[https://www.youtube.com/channel/UCqbOeHaAUXw9II7sBVG3\\_bw](https://www.youtube.com/channel/UCqbOeHaAUXw9II7sBVG3_bw)

	What is being learnt?	Remote learning links
Autumn 1 (Sep-Oct)	<ul style="list-style-type: none"><li>• C9 Crude Oil</li><li>• C3 Chemical Calculations (Trilogy Book C4.1-C4,4) (Chemistry Book C4.1-C4.3, C4.6)</li></ul>	<p><a href="https://www.bbc.co.uk/bitesize/guides/zshvw6f/revision/1">https://www.bbc.co.uk/bitesize/guides/zshvw6f/revision/1</a> <a href="https://teachers.thenational.academy/units/organic-chemistry-7c58">https://teachers.thenational.academy/units/organic-chemistry-7c58</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/zgcyw6f/revision/1">https://www.bbc.co.uk/bitesize/guides/zgcyw6f/revision/1</a> <a href="https://www.bbc.co.uk/bitesize/guides/z3kg2nb/revision/1">https://www.bbc.co.uk/bitesize/guides/z3kg2nb/revision/1</a> <a href="https://teachers.thenational.academy/units/quantitative-chemistry-4db7">https://teachers.thenational.academy/units/quantitative-chemistry-4db7</a></p>
Autumn 2 (Nov-Dec)	<ul style="list-style-type: none"><li>• C7 Energy Changes C7.1-C7.4</li></ul>	<p><a href="https://www.bbc.co.uk/bitesize/guides/zwfr2nb/revision/1">https://www.bbc.co.uk/bitesize/guides/zwfr2nb/revision/1</a> <a href="https://teachers.thenational.academy/units/energy-changes-b607">https://teachers.thenational.academy/units/energy-changes-b607</a></p>
Winter 3 (Jan-Feb)	<ul style="list-style-type: none"><li>• Chemical Changes C5.1-5.8</li></ul>	<p><a href="https://www.bbc.co.uk/bitesize/guides/zsm7v9q/revision/1">https://www.bbc.co.uk/bitesize/guides/zsm7v9q/revision/1</a> <a href="https://www.bbc.co.uk/bitesize/guides/zcjjfcw/revision/1">https://www.bbc.co.uk/bitesize/guides/zcjjfcw/revision/1</a> <a href="https://teachers.thenational.academy/units/chemical-changes-a5ba">https://teachers.thenational.academy/units/chemical-changes-a5ba</a></p>

<p>Spring 4 (Feb-Mar)</p>	<ul style="list-style-type: none"> <li>Electrolysis 6.1-6.4</li> <li>Rates and Equilibria C8.1-8.9</li> </ul>	<p><a href="https://www.bbc.co.uk/bitesize/guides/zcsyw6f/revision/1">https://www.bbc.co.uk/bitesize/guides/zcsyw6f/revision/1</a>  <a href="https://teachers.thenational.academy/lessons/electrolysis-of-molten-compounds-cgw66t">https://teachers.thenational.academy/lessons/electrolysis-of-molten-compounds-cgw66t</a>  <a href="https://teachers.thenational.academy/lessons/extraction-of-aluminium-68w38r">https://teachers.thenational.academy/lessons/extraction-of-aluminium-68w38r</a>  <a href="https://teachers.thenational.academy/lessons/electrolysis-of-solutions-cmv3ge">https://teachers.thenational.academy/lessons/electrolysis-of-solutions-cmv3ge</a>  <a href="https://teachers.thenational.academy/lessons/electrolysis-half-equations-c8r6ar">https://teachers.thenational.academy/lessons/electrolysis-half-equations-c8r6ar</a>  <a href="https://teachers.thenational.academy/lessons/electrolysis-review-c4w38r">https://teachers.thenational.academy/lessons/electrolysis-review-c4w38r</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/z3nbqhv/revision/1">https://www.bbc.co.uk/bitesize/guides/z3nbqhv/revision/1</a>  <a href="https://teachers.thenational.academy/units/the-rate-and-extent-of-chemical-change-0530">https://teachers.thenational.academy/units/the-rate-and-extent-of-chemical-change-0530</a>  <a href="https://www.bbc.co.uk/bitesize/guides/zyhvw6f/revision/1">https://www.bbc.co.uk/bitesize/guides/zyhvw6f/revision/1</a></p>
<p>Summer 6 (Jun-Jul)</p>	<ul style="list-style-type: none"> <li>Re-capping of key practicals</li> </ul>	<p>C5.5 – Preparation of a salt  C6.4 – Electrolysis  C8.4 – Rates of reaction (volume of a gas using a gas syringe)  C7.1 – Energy changes</p> <p>See BBC Bite Size and The National Academy more help.</p>

# Year 12

## Use of Fact Sheets on Teams for **Extra** Notes

	What is being learnt?	Remote learning links
Autumn 1 (Sep-Oct)	<ul style="list-style-type: none"><li>• Module 2 Structure and Bonding 2.2.1-2.12, 2.1.18- 2.1.19, 3.1.3-3.1.6</li><li>• Module 2 Atoms and Reactions 2.1.1-2.1.17</li></ul>	<p>Videos: <a href="#">MAChemGuy</a> / <a href="#">Khan Academy</a> Notes: Fact Sheets (Teams) / <a href="#">Chem Guide</a> / <a href="#">Doc Brown</a> Questions: <a href="#">Physics and Maths Tutor</a></p>
Autumn 2 (Nov-Dec)	<ul style="list-style-type: none"><li>• Continuation of Term 1</li><li>• Module 3 The Periodic Table 3.1.1-3.1.2, 3.1.7- 3.1.11</li><li>• Module 4 Organic 1 4.1.1-4.1.11</li></ul>	

<p>Winter 3 (Jan-Feb)</p>	<ul style="list-style-type: none"> <li>• Continuation of Term 2</li> <li>• Module 3 Physical Chemistry 3.2.1-3.2.5</li> <li>• Module 4 Organic 1 4.2.1-4.2.5</li> </ul>	<p>Videos: <a href="#">MAChemGuy</a> / <a href="#">Khan Academy</a>  Notes: Fact Sheets (Teams) / <a href="#">Chem Guide</a> / <a href="#">Doc Brown</a>  Questions: <a href="#">Physics and Maths Tutor</a></p>
<p>Spring 4 (Feb-Mar)</p>	<ul style="list-style-type: none"> <li>• Continuation of Term 3</li> <li>• Module 3 Physical Chemistry 3.2.6-3.2.12</li> <li>• Module 4 Organic 2 4.2.6-4.2.12</li> </ul>	
<p>Summer 6 (Jun-Jul)</p>	<p>Y13 Book</p> <ul style="list-style-type: none"> <li>• Module 5 Physical Chemistry 5.1.1-5.1.5 5.1.6</li> </ul>	

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|  | <ul style="list-style-type: none"><li>• Module 6<br/>Organic Chemistry<br/>6.1.7-6.1.11</li></ul> |  |
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