



Year 11 Revision Schedule 2023-24

Subject/Course:	GCSE Chemistry (Separate) – Higher and Foundation
Student Name:	

		Topic	Key knowledge/skills/questions	Resources/activities/links
Week 1	Monday 15 January 2024	Ideal: your weakest topic (identified by you as 'red' on your learning checklist) Basic: Atomic Structure (Paper 1 AND 2)	Atoms, elements & compounds Mixtures (including separation techniques) Development of the model of the atom Subatomic particles – charges, masses, location Isotopes and relative atomic mass <ul style="list-style-type: none"> • Electronic structure 	<p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> • Relearn material using new sources, eg revision guide, BBC Bitesize • Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see www.hayestl.com for knowledge organiser tips) • Add to your lesson notes using revision guides, textbooks, BBC Bitesize <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> • Low demand knowledge checking questions from, eg, revision guide or textbooks <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> • Cornell notes successive summarisation of topics (see www.hayestl.com for Cornell notes tips) • Mind maps linking concepts and knowledge within the topic and with other topics (see www.hayestl.com for mind mapping tips) • Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> • Low demand knowledge checking questions (eg, from revision guide or textbooks) • Medium demand knowledge and application questions from, eg, revision work books High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from www.physicsandmathstutor.com and www.aqa.org.uk <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> • https://www.bbc.co.uk/bitesize/guides/zq2h4qt/revision/1 • https://www.bbc.co.uk/bitesize/guides/zpbkh39/revision/1 • https://www.bbc.co.uk/bitesize/guides/z3sg2nb/revision/1 • https://www.youtube.com/watch?v=fN8kH9Vvqo0&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=1 • https://www.youtube.com/watch?v=iyCLDHG1PCA&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=2 • https://www.youtube.com/watch?v=iBDr0mHyc5M&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=3 • https://www.youtube.com/watch?v=qquOFYOpdl0&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=4 • https://www.youtube.com/watch?v=vi_SJBnxmHo&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=5 • https://www.youtube.com/watch?v=eOlnHr9g6Io&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=6 • https://www.youtube.com/watch?v=sG6QoLxwIw4&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=7 • https://www.youtube.com/watch?v=EBKwG25hRPF&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=8

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Week 2</p>	<p style="text-align: center;">Monday 22 January 2024</p>	<p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p style="text-align: center;">Basic: Periodic Table (Paper 1 AND 2)</p>	<p>Modern periodic table Development of the periodic table Metals and non-metals Group 1, Group 7, Group 0 Transition metals</p>	<p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> • Relearn material using new sources, eg revision guide, BBC Bitesize • Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see www.hayestl.com for knowledge organiser tips) • Add to your lesson notes using revision guides, textbooks, BBC Bitesize <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> • Low demand knowledge checking questions from, eg, revision guide or textbooks <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> • Cornell notes successive summarisation of topics (see www.hayestl.com for Cornell notes tips) • Mind maps linking concepts and knowledge within the topic and with other topics (see www.hayestl.com for mind mapping tips) • Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> • Low demand knowledge checking questions (eg, from revision guide or textbooks) • Medium demand knowledge and application questions from, eg, revision work books <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from www.physicsandmathstutor.com and www.aqa.org.uk</p> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> • https://www.bbc.co.uk/bitesize/guides/zq923k7/revision/1 • https://www.bbc.co.uk/bitesize/guides/zqwtcj6/revision/1 • https://www.bbc.co.uk/bitesize/guides/z97yw6f/revision/1 • https://www.youtube.com/watch?v=IdS9roW7IzM&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=9 • https://www.youtube.com/watch?v=Rc2JBp91V7o&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=10 • https://www.youtube.com/watch?v=dZGDUKQa_6g&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=11 • https://www.youtube.com/watch?v=HT1zAPQIBAQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=12
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Week 3</p>	<p style="text-align: center;">Monday 29 January 2024</p>	<p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p style="text-align: center;">Basic: Structure & Bonding (Paper 1 AND 2)</p>	<p>Ionic bonding Covalent bonding Metallic bonding and alloys</p> <ul style="list-style-type: none"> • Giant covalent structures (including polymers, diamond, graphite, graphene and fullerenes) 	<p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> • Relearn material using new sources, eg revision guide, BBC Bitesize • Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see www.hayestl.com for knowledge organiser tips) • Add to your lesson notes using revision guides, textbooks, BBC Bitesize <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> • Low demand knowledge checking questions from, eg, revision guide or textbooks <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> • Cornell notes successive summarisation of topics (see www.hayestl.com for Cornell notes tips) • Mind maps linking concepts and knowledge within the topic and with other topics (see www.hayestl.com for mind mapping tips) • Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> • Low demand knowledge checking questions (eg, from revision guide or textbooks) • Medium demand knowledge and application questions from, eg, revision work books <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from www.physicsandmathstutor.com and www.aqa.org.uk</p> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> • https://www.bbc.co.uk/bitesize/guides/zyydnq8/revision/1 • https://www.bbc.co.uk/bitesize/guides/zyydnq8/revision/2

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Week 4	Monday 5 February	<p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: Properties of Matter (Paper 1 AND 2)</p>	<p>States of matter and changes of state</p> <p>State symbols</p> <p>Properties of ionic compounds</p> <p>Properties of small molecules</p> <ul style="list-style-type: none"> • Properties of metals and alloys 	<p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> • Relearn material using new sources, eg revision guide, BBC Bitesize • Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see www.hayestl.com for knowledge organiser tips) • Add to your lesson notes using revision guides, textbooks, BBC Bitesize <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> • Low demand knowledge checking questions from, eg, revision guide or textbooks <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> • Cornell notes successive summarisation of topics (see www.hayestl.com for Cornell notes tips) • Mind maps linking concepts and knowledge within the topic and with other topics (see www.hayestl.com for mind mapping tips) • Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> • Low demand knowledge checking questions (eg, from revision guide or textbooks) • Medium demand knowledge and application questions from, eg, revision work books <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from www.physicsandmathstutor.com and www.aqa.org.uk</p> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> • https://www.bbc.co.uk/bitesize/guides/z93jfcw/revision/1 • https://www.bbc.co.uk/bitesize/guides/zyydnq8/revision/4 • https://www.bbc.co.uk/bitesize/guides/zcpjfcw/revision/5 • https://www.bbc.co.uk/bitesize/guides/z8m8pbk/revision/1 • https://www.youtube.com/watch?v=6DtrrWA5nke&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=14 • https://www.youtube.com/watch?v=kShlfsvWbQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=15 • https://www.youtube.com/watch?v=d2ogZgGmMDY&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=17 • https://www.youtube.com/watch?v=b1y2Q6YX1bQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=20 • https://www.youtube.com/watch?v=hkBrw2fG75U&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=21 • https://www.youtube.com/watch?v=70dOzvhN-8M&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=22
Week 5	Half Term Monday 12 February			

Week 6	<p>Monday 19 February</p>	<p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: Quantitative Chemistry I (Paper 1)</p>	<p>Conservation of mass Relative formula mass <i>Moles (HT only)</i> <i>Reacting masses (HT only)</i></p> <ul style="list-style-type: none"> <i>Limiting reactant (HT only)</i> 	<p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> Relearn material using new sources, eg revision guide, BBC Bitesize Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see www.hayestl.com for knowledge organiser tips) Add to your lesson notes using revision guides, textbooks, BBC Bitesize <p><i>Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> Low demand knowledge checking questions from, eg, revision guide or textbooks <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> Cornell notes successive summarisation of topics (see www.hayestl.com for Cornell notes tips) Mind maps linking concepts and knowledge within the topic and with other topics (see www.hayestl.com for mind mapping tips) Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> Low demand knowledge checking questions (eg, from revision guide or textbooks) <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 www.physicsandmathstutor.com and www.aqa.org.uk</p> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> https://www.bbc.co.uk/bitesize/guides/zqcyw6f/revision/1 https://www.bbc.co.uk/bitesize/guides/z3kg2nb/revision/1 https://www.youtube.com/watch?v=it_fmQu5ivq&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=24 https://www.youtube.com/watch?v=wPGVQu3UXpw&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=25 https://www.youtube.com/watch?v=M-De2IMayco&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=26 https://www.youtube.com/watch?v=TKDOyR7WKQO&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=27
Week 7	<p>Monday 26 February</p>	<p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: Quantitative Chemistry II (Paper 1)</p>	<p>Concentration Titrations Percentage yield Atom economy <i>Gas volumes (HT only)</i></p> <ul style="list-style-type: none"> Required practical 2: determination of the concentration of a solution using titration 	<p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> Relearn material using new sources, eg revision guide, BBC Bitesize Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see www.hayestl.com for knowledge organiser tips) Add to your lesson notes using revision guides, textbooks, BBC Bitesize <p><i>Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> Low demand knowledge checking questions from, eg, revision guide or textbooks <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> Cornell notes successive summarisation of topics (see www.hayestl.com for Cornell notes tips) Mind maps linking concepts and knowledge within the topic and with other topics (see www.hayestl.com for mind mapping tips) Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> Low demand knowledge checking questions (eg, from revision guide or textbooks) Medium demand knowledge and application questions from, eg, revision work books <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from www.physicsandmathstutor.com and www.aqa.org.uk</p> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> https://www.bbc.co.uk/bitesize/guides/z3kg2nb/revision/5 https://www.bbc.co.uk/bitesize/guides/z3kg2nb/revision/6 https://www.bbc.co.uk/bitesize/guides/z8wkh39/revision/1

				<ul style="list-style-type: none"> https://www.bbc.co.uk/bitesize/guides/zx98pbk/revision/1 https://www.youtube.com/watch?v=MEQ1YGxfAQ4&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=29 https://www.youtube.com/watch?v=kJBbu7_vYC8&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=30 https://www.youtube.com/watch?v=MQXzW9BryAq&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=31 https://www.youtube.com/watch?v=hnawBsyZTC8&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=33 https://www.youtube.com/watch?v=vn3Rx3q1VPk&list=PLAd0MSIZBSsEvgAZyDRkK0PqQZ6uiC98F&index=7
Week 8	Monday 4 March	<p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: Chemical Changes I (Paper 1)</p>	<p>Reactions of acids Neutralisation Soluble salts pH scale <i>Strong and weak acids (HT only)</i> Reactivity series Extraction of metals and reduction <i>Redox (HT only)</i></p> <ul style="list-style-type: none"> Required practical 1: preparation of a pure, dry soluble salt 	<p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> Relearn material using new sources, eg revision guide, BBC Bitesize Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see www.hayestl.com for knowledge organiser tips) Add to your lesson notes using revision guides, textbooks, BBC Bitesize <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> Low demand knowledge checking questions from, eg, revision guide or textbooks <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> Cornell notes successive summarisation of topics (see www.hayestl.com for Cornell notes tips) Mind maps linking concepts and knowledge within the topic and with other topics (see www.hayestl.com for mind mapping tips) Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> Low demand knowledge checking questions (eg, from revision guide or textbooks) Medium demand knowledge and application questions from, eg, revision work books <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from www.physicsandmathstutor.com and www.aqa.org.uk</p> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> https://www.bbc.co.uk/bitesize/guides/zsm7v9q/revision/1 https://www.bbc.co.uk/bitesize/guides/zcjfcw/revision/1 https://www.youtube.com/watch?v=vt8fB3MFzLk&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=34 https://www.youtube.com/watch?v=qYBzkgqmE&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=35 https://www.youtube.com/watch?v=IBjwMCHUyBY&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=36 https://www.youtube.com/watch?v=2i5Lm7BMtpo&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=37 https://www.youtube.com/watch?v=qvNuMpxqG7Q&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=38 https://www.youtube.com/watch?v=jyvcVjrZnJA&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=39 https://www.youtube.com/watch?v=qIOMlwBoe_4&list=PLAd0MSIZBSsEvgAZyDRkK0PqQZ6uiC98F&index=1
Week 9	Monday 11 March	<p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: Chemical Changes II (Paper 1)</p>	<p>Electrolysis of molten ionic compounds Using electrolysis to extract metals Electrolysis of aqueous solutions <i>Half equations (HT only)</i></p> <ul style="list-style-type: none"> Required practical 3: electrolysis of aqueous solutions 	<p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> Relearn material using new sources, eg revision guide, BBC Bitesize Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see www.hayestl.com for knowledge organiser tips) Add to your lesson notes using revision guides, textbooks, BBC Bitesize <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> Low demand knowledge checking questions from, eg, revision guide or textbooks <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> Cornell notes successive summarisation of topics (see www.hayestl.com for Cornell notes tips) Mind maps linking concepts and knowledge within the topic and with other topics (see www.hayestl.com for mind mapping tips) Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize <p><i>'Core coverage' – practice tasks:</i></p>

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Week 10	Monday 18 March	<p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: Energy Changes (Paper 1)</p>	<p>Exothermic and endothermic reactions Reaction profiles <i>Energy change of reactions (HT only)</i> Cells and batteries Fuel cells</p> <ul style="list-style-type: none"> Required practical 4: investigate the variables that affect temperature changes in reacting solutions 	<p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> Relearn material using new sources, eg revision guide, BBC Bitesize Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see www.hayestl.com for knowledge organiser tips) Add to your lesson notes using revision guides, textbooks, BBC Bitesize <p><i>Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> Low demand knowledge checking questions from, eg, revision guide or textbooks <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> Cornell notes successive summarisation of topics (see www.hayestl.com for Cornell notes tips) Mind maps linking concepts and knowledge within the topic and with other topics (see www.hayestl.com for mind mapping tips) Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> Low demand knowledge checking questions (eg, from revision guide or textbooks) Medium demand knowledge and application questions from, eg, revision work books High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from www.physicsandmathstutor.com and www.aqa.org.uk <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> https://www.bbc.co.uk/bitesize/topics/z34kqdm https://www.youtube.com/watch?v=dstRL5xB0Sk&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=43 https://www.youtube.com/watch?v=it0HGXhxD-s&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=44 https://www.youtube.com/watch?v=8xeB_O_fyzM&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=45 https://www.youtube.com/watch?v=tKxcQYZ2YH8&list=PLAd0MSIZBSsEvgAZyDRkK0PqQZ6uiC98F&index=5
Week 11	Monday 25 March	<p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: Rate and Extent of Chemical</p>	<p>Calculating rate Factors affecting rate Collision theory Catalysts Reversible reactions <i>LeChatelier's Principle (HT only)</i></p> <ul style="list-style-type: none"> Required practical 5: investigate how changes in concentration affect the rate of reaction (two methods) 	<p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> Relearn material using new sources, eg revision guide, BBC Bitesize Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see www.hayestl.com for knowledge organiser tips) Add to your lesson notes using revision guides, textbooks, BBC Bitesize <p><i>Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> Low demand knowledge checking questions from, eg, revision guide or textbooks <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> Cornell notes successive summarisation of topics (see www.hayestl.com for Cornell notes tips) Mind maps linking concepts and knowledge within the topic and with other topics (see www.hayestl.com for mind mapping tips) Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize

		<p>Change (Paper 2)</p>		<p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> Low demand knowledge checking questions (eg, from revision guide or textbooks) Medium demand knowledge and application questions from, eg, revision work books <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from www.physicsandmathstutor.com and www.aqa.org.uk</p> <p>Bitesize and Youtube links:</p> <ul style="list-style-type: none"> https://www.bbc.co.uk/bitesize/topics/zs3qfcw https://www.youtube.com/watch?v=SPXany3-hU&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=46 https://www.youtube.com/watch?v=-4HXaUBbv04&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=47 https://www.youtube.com/watch?v=GCR5xeduq2o&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=48 https://www.youtube.com/watch?v=ty9TczsW5ew&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=49 https://www.youtube.com/watch?v=IYyoncESnmQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=50 https://www.youtube.com/watch?v=GI6LVI7oAIU&list=PLAd0MSIZBSsEygAZyDRkk0PqQZ6uiC98F&index=3 https://www.youtube.com/watch?v=ssa3wh3RNt0&list=PLAd0MSIZBSsEygAZyDRkk0PqQZ6uiC98F&index=4
<p>Week 12</p>	<p>Easter Monday 1 April</p>	<p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: Organic Chemistry (Paper 2)</p>	<p>Crude oil, hydrocarbons and alkanes Fractional distillation Properties of hydrocarbons Cracking and alkenes Reactions of alkenes Alcohols Carboxylic acids Addition polymerisation <i>Condensation polymerisation (HT only)</i> <i>Naturally occurring polymers (HT only)</i></p>	<p><i>'Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> Relearn material using new sources, eg revision guide, BBC Bitesize Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see www.hayestl.com for knowledge organiser tips) Add to your lesson notes using revision guides, textbooks, BBC Bitesize <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> Low demand knowledge checking questions from, eg, revision guide or textbooks <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> Cornell notes successive summarisation of topics (see www.hayestl.com for Cornell notes tips) Mind maps linking concepts and knowledge within the topic and with other topics (see www.hayestl.com for mind mapping tips) Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> Low demand knowledge checking questions (eg, from revision guide or textbooks) Medium demand knowledge and application questions from, eg, revision work books <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from www.physicsandmathstutor.com and www.aqa.org.uk</p> <p>Bitesize and Youtube Links:</p> <ul style="list-style-type: none"> https://www.bbc.co.uk/bitesize/topics/ztsyh39 https://www.youtube.com/watch?v=ykIFtTjoso&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=51 https://www.youtube.com/watch?v=F8J2Fib1xg&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=52 https://www.youtube.com/watch?v=CjmriZq5xRo&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=53 https://www.youtube.com/watch?v=bOiYLKX9ZRY&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=54 https://www.youtube.com/watch?v=83Is-rouV-U&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=55 https://www.youtube.com/watch?v=1ZUg6ZC3ltA&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=56 https://www.youtube.com/watch?v=vVwLa1fRsVY&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=57 https://www.youtube.com/watch?v=ED9EU3FfzyU&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=58 https://www.youtube.com/watch?v=cYgRd4rXY6I&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=59 https://www.youtube.com/watch?v=U-eCXeFwTqY&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=60 https://www.youtube.com/watch?v=7o27fh0_nm0&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=61

Week 13	Easter Monday 8 April	<p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: Chemical Analysis (Paper 2)</p>	<p>Purity and formulations Chromatography Tests for gases Flame tests and metal hydroxide precipitates Anion tests (carbonates, halides & sulfates) Instrumental methods and flame emission spectroscopy</p> <p>Required practical 6: paper chromatography Required practical 7: chemical tests to identify ions</p>	<p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> • Relearn material using new sources, eg revision guide, BBC Bitesize • Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see www.hayestl.com for knowledge organiser tips) • Add to your lesson notes using revision guides, textbooks, BBC Bitesize <p><i>Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> • Low demand knowledge checking questions from, eg, revision guide or textbooks <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> • Cornell notes successive summarisation of topics (see www.hayestl.com for Cornell notes tips) • Mind maps linking concepts and knowledge within the topic and with other topics (see www.hayestl.com for mind mapping tips) • Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> • Low demand knowledge checking questions (eg, from revision guide or textbooks) • Medium demand knowledge and application questions from, eg, revision work books <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from www.physicsandmathstutor.com and www.aqa.org.uk</p> <p>Bitesize and Youtube links:</p> <ul style="list-style-type: none"> • https://www.bbc.co.uk/bitesize/topics/z2tpmsg • https://www.youtube.com/watch?v=-OtJI-R-4rU&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=62 • https://www.youtube.com/watch?v=TdJ57SQ6GAQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=63 • https://www.youtube.com/watch?v=bcRGfSIMIMw&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=64 • https://www.youtube.com/watch?v=mWTgHjdea4Y&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=65 • https://www.youtube.com/watch?v=1BCc_RrrSSw&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=66
Week 14	Monday 15 April	<p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: Chemistry of the Atmosphere (Paper 2)</p>	<p>Composition of the atmosphere Evolution of the atmosphere Greenhouse gases Climate change Carbon footprint Atmospheric pollutants</p>	<p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> • Relearn material using new sources, eg revision guide, BBC Bitesize • Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see www.hayestl.com for knowledge organiser tips) • Add to your lesson notes using revision guides, textbooks, BBC Bitesize <p><i>Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> • Low demand knowledge checking questions from, eg, revision guide or textbooks <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> • Cornell notes successive summarisation of topics (see www.hayestl.com for Cornell notes tips) • Mind maps linking concepts and knowledge within the topic and with other topics (see www.hayestl.com for mind mapping tips) • Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> • Low demand knowledge checking questions (eg, from revision guide or textbooks) • Medium demand knowledge and application questions from, eg, revision work books <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from www.physicsandmathstutor.com and www.aqa.org.uk</p> <p>Bitesize and Youtube links:</p> <ul style="list-style-type: none"> • https://www.bbc.co.uk/bitesize/topics/zw2xjty • https://www.youtube.com/watch?v=l0h_-3M0Pso&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=67 • https://www.youtube.com/watch?v=Z_b2A-d5hGY&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=68

				<ul style="list-style-type: none"> • https://www.youtube.com/watch?v=Mvp97_BP84&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=69 • https://www.youtube.com/watch?v=Mvp97_BP84&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=69 • https://www.youtube.com/watch?v=pnTGNAfu6GE&list=PLAd0MSIZBSsEygAZyDRkK0PqOZ6uiC98F&index=2 • https://www.youtube.com/watch?v=fCZztwJmAl0&list=PLAd0MSIZBSsEygAZyDRkK0PqOZ6uiC98F&index=8
Week 15	Monday 22 April	<p>Ideal: your weakest topic (identified by you as 'red' on your learning checklist)</p> <p>Basic: Using Resources (Paper 2)</p>	<p>Sustainable development Potable water <i>Alternative methods of extracting metals (HT only)</i> Life cycle assessment Reducing the use of resources Corrosion and its prevention Ceramics, polymers and composites The Haber process NPK fertilisers Required practical 8: analysis and purification of water samples</p>	<p><i>Red' topics – review tasks:</i></p> <ul style="list-style-type: none"> • Relearn material using new sources, eg revision guide, BBC Bitesize • Compile knowledge organiser, using your class notes, revision guides, textbooks, BBC Bitesize (see www.hayestl.com for knowledge organiser tips) • Add to your lesson notes using revision guides, textbooks, BBC Bitesize <p><i>'Red' topics – practice tasks:</i></p> <ul style="list-style-type: none"> • Low demand knowledge checking questions from, eg, revision guide or textbooks <p><i>'Core coverage' – review tasks:</i></p> <ul style="list-style-type: none"> • Cornell notes successive summarisation of topics (see www.hayestl.com for Cornell notes tips) • Mind maps linking concepts and knowledge within the topic and with other topics (see www.hayestl.com for mind mapping tips) • Elaboration and extension of notes, using other sources, eg, revision guides, textbooks, BBC Bitesize <p><i>'Core coverage' – practice tasks:</i></p> <ul style="list-style-type: none"> • Low demand knowledge checking questions (eg, from revision guide or textbooks) • Medium demand knowledge and application questions from, eg, revision work books <p>High demand knowledge, application and analysis questions from, eg, revision workbooks; exam questions from www.physicsandmathstutor.com and www.aqa.org.uk</p> <p>Bitesize and YouTube links:</p> <ul style="list-style-type: none"> • https://www.bbc.co.uk/bitesize/topics/z9wqk2p • https://www.youtube.com/watch?v=q0CAFV-YdY&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=71 • https://www.youtube.com/watch?v=obb-ZHqBw10&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=72 • https://www.youtube.com/watch?v=ScY_Yb1V8AY&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=73 • https://www.youtube.com/watch?v=PDeIRIqvWnM&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=74 • https://www.youtube.com/watch?v=jLaeBykDwaM&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=75 • https://www.youtube.com/watch?v=1_HoWz5Kxfk&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=76 • https://www.youtube.com/watch?v= UGHsbTEBvA&list=PLAd0MSIZBSsEygAZyDRkK0PqOZ6uiC98F&index=9
Week 16	Monday 29 April	Exam Technique	<p>Command words Required practicals (1 & 2) Working Scientifically skills Mathematical skills</p>	
Week 17	Monday 6 May	Exam Technique	<p>Command words Required practicals (3 & 4) Working Scientifically skills Mathematical skills</p>	
Week 18	Monday 13 May	17th May – Chemistry Paper 1 Exam (AM)		

Week 19	Monday 20 May	Exam Technique	Command words Required practical (5) Working Scientifically skills Mathematical skills	
Week 20	Half Term Monday 27 May	Exam Technique	Command words Required practicals (6 & 7) Working Scientifically skills Mathematical skills	
Week 21	Monday 3 June	Exam Technique	Command words Required practical (8) Working Scientifically skills Mathematical skills	
Week 22	Monday 10 June	11th June – Chemistry paper 2 Exam (AM)		