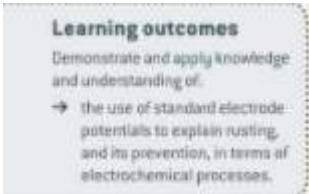
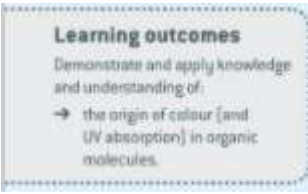
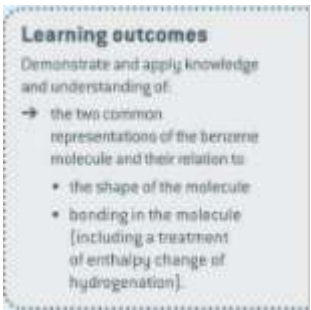
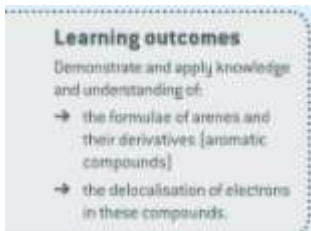
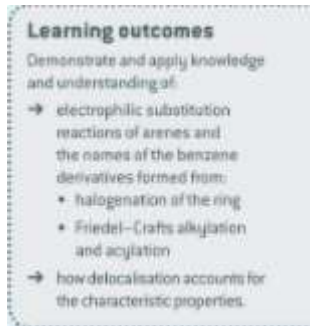


Curriculum Plan	Subject	Chemistry	Year	Y13
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		W/C 22 <sup>nd</sup> February	W/C 1 <sup>st</sup> March	W/C 8 <sup>th</sup> March
How you will access home learning		The PowerPoint and lesson materials will be available in our Y13 group on Microsoft Teams if for one reason or another you are unable to access the lesson live or the teacher doesn't deliver the lesson live. You will need access to your Chemistry A2 textbook via Kerboodle as well as the data sheets.		
How you be able to interact with your teacher and gain feedback on your work		You will be able to join each lesson via Microsoft Teams. This will enable you to listen to teacher delivery, to ask questions, and to complete the same tasks live, as those who are working in the lesson. You can join in with questioning in the lesson using the chat function to check your understanding.		
<b>Retrieval</b> How we will help you to recall previously learnt knowledge		Carefully selected past paper questions will be used to determine how the previous lessons content was understood. This will help consolidate knowledge and understanding as well as tackle misconceptions.	Carefully selected past paper questions will be used to determine how the previous lessons content was understood. This will help consolidate knowledge and understanding as well as tackle misconceptions.	Carefully selected past paper questions will be used to determine how the previous lessons content was understood. This will help consolidate knowledge and understanding as well as tackle misconceptions.
<b>New Learning</b>	What you will be learning about this week	DM 4	DM 5 	CD 1-NEW TOPIC 

	<p><b>Learning outcomes</b></p> <p>Demonstrate and apply knowledge and understanding of:</p> <ul style="list-style-type: none"> <li>→ balancing half-equations and full equations for redox processes that also include acid-base reactions by using oxidation states or other methods</li> <li>→ simple electrochemical cells: <ul style="list-style-type: none"> <li>• involving metal ion/metal half-cells</li> <li>• involving half-cells based on different oxidation states of the same element in aqueous solution with a platinum or other inert electrode, acidified if necessary</li> <li>• techniques and procedures to set up and use electrochemical cells.</li> </ul> </li> <li>→ the action of an electrochemical cell in terms of half-equations and external electron flow and the ion flow in the salt bridge</li> <li>→ the term <i>standard electrode potential</i> and its measurement using a hydrogen electrode; use of standard electrode potentials to: <ul style="list-style-type: none"> <li>• calculate <math>E_{\text{cell}}</math></li> <li>• predict the feasibility of redox reactions, and the reasons why a reaction may not occur.</li> </ul> </li> </ul>		
<p>How we will teach you the new knowledge or ideas</p>	<p>PowerPoint content and teacher led explanations to support you in understanding a range of chemical concepts around <b>REDOX, CELLS and ELECTRODE POTENTIALS</b>. Teacher modelling to talk through applying these ideas and concepts to different reaction scenarios.</p>	<p>PowerPoint content and teacher led explanations to support you in understanding a range of chemical concepts around <b>RUSTING AS AN ELECTROCHEMICAL PROCESS, RUST PREVENTION</b> Teacher modelling to talk through applying these ideas and concepts to different reaction scenarios.</p>	<p>PowerPoint content and teacher led explanations to support you in developing further ideas around <b>THE ORIGIN OF COLOUR IN ORGANIC MOLECULES</b> Teacher modelling to talk through applying these ideas and concepts to different molecules and reaction scenarios.</p>

	<p>Activities that will help you learn and practice what you've been taught</p>	<p>Structured note responses, text book summary questions as well as the associated practical(s) for that chapter (if in school) or other related closely linked activities/dry practicals if remote learning.</p>	<p>Structured note responses, text book summary questions as well as the associated practical(s) for that chapter (if in school) or other related closely linked activities/dry practicals if remote learning.</p>	<p>Structured note responses, text book summary questions as well as the associated practical(s) for that chapter (if in school) or other related closely linked activities/dry practicals if remote learning.</p>
	<p>What you can do if you are stuck</p>	<p>You can ask any questions during the live lesson through using the chat function on Microsoft Teams. The Teams lessons will be recorded so you can refer to teacher explanations and listen to them again. Use your online Kerboodle textbook to refer to any previous content. If you need to e-mail MB/KR to ask a question, we can easily write out a solution, take a photo and email it back to you.</p>	<p>You can ask any questions during the live lesson through using the chat function on Microsoft Teams. The Teams lessons will be recorded so you can refer to teacher explanations and listen to them again. Use your online Kerboodle textbook to refer to any previous content. If you need to e-mail MB/KR to ask a question, we can easily write out a solution, take a photo and email it back to you.</p>	<p>You can ask any questions during the live lesson through using the chat function on Microsoft Teams. The Teams lessons will be recorded so you can refer to teacher explanations and listen to them again. Use your online Kerboodle textbook to refer to any previous content. If you need to e-mail MB/KR to ask a question, we can easily write out a solution, take a photo and email it back to you.</p>

		W/C 15 <sup>th</sup> March	W/C 22 <sup>nd</sup> March	W/C 29 <sup>th</sup> March
How you will access home learning		The PowerPoint and lesson materials will be available in our Y13 group on Microsoft Teams if for one reason or another you are unable to access the lesson live or the teacher doesn't deliver the lesson live. You will need access to your Chemistry A2 textbook via Kerboodle as well as the data sheets.		
How you be able to interact with your teacher and gain feedback on your work		You will be able to join each lesson via Microsoft Teams. This will enable you to listen to teacher delivery, to ask questions, and to complete the same tasks live, as those who are working in the lesson. You can join in with questioning in the lesson using the chat function to check your understanding.		
<b>Retrieval</b> How we will help you to recall previously learnt knowledge		Carefully selected past paper questions will be used to determine how the previous lessons content was understood. This will help consolidate knowledge and understanding as well as tackle misconceptions	Carefully selected past paper questions will be used to determine how the previous lessons content was understood. This will help consolidate knowledge and understanding as well as tackle misconceptions.	Carefully selected past paper questions will be used to determine how the previous lessons content was understood. This will help consolidate knowledge and understanding as well as tackle misconceptions.
<b>New Learning</b>	What you will be learning about this week	<b>CD 2</b> 	<b>CD 3</b> 	<b>CD 4</b> 
	How we will teach you the new knowledge or ideas	PowerPoint content and teacher led explanations to support you in understanding a range of chemical concepts around <b>THE STRUCTURE AND BONDING IN BENZENE.</b>  Teacher modelling to talk through applying these ideas and concepts to different molecules and reaction scenarios.	PowerPoint content and teacher led explanations to support you in understanding a range of chemical concepts around <b>FURTHERING UNDERSTANDING OF BENZENE</b>  Teacher modelling to talk through applying these ideas and concepts to different molecules and reaction scenarios.	PowerPoint content and teacher led explanations to support you in understanding a range of chemical concepts around <b>THE ELECTROPHILIC SUBSTITUTION REACTIONS OF BENZENE.</b>  Teacher modelling to talk through applying these ideas and concepts to different molecules and reaction scenarios.
	Activities that will help you learn and practice what you've been taught	Structured note responses, text book summary questions as well as the associated practical(s) for that chapter (if in school) or other related closely linked activities/dry practicals if remote learning.	Structured note responses, text book summary questions as well as the associated practical(s) for that chapter (if in school) or other related closely linked activities/dry practicals if remote learning.	Structured note responses, text book summary questions as well as the associated practical(s) for that chapter (if in school) or other related closely linked activities/dry practicals if remote learning.

	What you can do if you are stuck	You can ask any questions during the live lesson through using the chat function on Microsoft Teams. The Teams lessons will be recorded so you can refer to teacher explanations and listen to them again. Use your online Kerboodle textbook to refer to any previous content. If you need to e-mail MB/KR to ask a question, we can easily write out a solution, take a photo and email it back to you.	You can ask any questions during the live lesson through using the chat function on Microsoft Teams. The Teams lessons will be recorded so you can refer to teacher explanations and listen to them again. Use your online Kerboodle textbook to refer to any previous content. If you need to e-mail MB/KR to ask a question, we can easily write out a solution, take a photo and email it back to you.	You can ask any questions during the live lesson through using the chat function on Microsoft Teams. The Teams lessons will be recorded so you can refer to teacher explanations and listen to them again. Use your online Kerboodle textbook to refer to any previous content. If you need to e-mail MB/KR to ask a question, we can easily write out a solution, take a photo and email it back to you.
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