Curriculum Plan	Subject	Chemistry	Year	Y13
-----------------	---------	-----------	------	-----

		W/C 2 <sup>nd</sup> November	W/C 9 <sup>th</sup> November	W/C 16 <sup>th</sup> November	
How	you will access home ning		ole in our Y13 group on Microsoft Teams if for one realive or the teacher doesn't deliver the lesson live.  s to your Chemistry A2 textbook via Kerboodle as wel		
with	you be able to interact your teacher and gain back on your work		y, to ask questions, and to complete the same tasks he chat function to check your understanding.		
reca	Retrieval we will help you to Il previously learnt wledge	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.	
New Learning	What you will be learning about this week	Learning outcomes  Demonstrate and apply knowledge and understanding of:  → the secondary and tertiary structure of proteins  → the role of intermolecular bonds in determining the secondary and tertiary structures and, hence, the properties of proteins.	Learning outcomes  Demonstrate and apply knowledge and understanding of:  → the characteristics of enzyme catalysis, including specificity, temperature sensitivity, pH sensitivity, competitive inhibition — explanation of these characteristics of enzyme catalysis in terms of a three-dimensional active site (part of the tertiary structure)  → the shape of the rate versus substrate concentration curve for an enzyme-catalysed reaction  → techniques and procedures for experiments involving enzymes.	Learning outcomes  Demonstrate and apply knowledge and understanding of:  → molecular recognition  (the structure and action of a given pharmacologically active material) in terms of:  • the pharmacophore and groups that modify it  • its interaction with receptor sites  • the ways that species interact in three dimensions (size, shape, bond formation, orientation).	
	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 protein structure and the intermolecular forces that hold them together. 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 how both enzymes work and what factors may impact on both their effectiveness and their rate of reaction.  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 developing further ideas around enzymes particularly with molecular recognition and the pharmacophore.  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 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 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 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 email 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 email 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 email MB/KR to ask a question, we can easily write out a solution, take a photo and email it back to you.

	W/C 23 <sup>rd</sup> November	W/C 30 <sup>th</sup> November	W/C 7 <sup>th</sup> December	W/C 14 <sup>th</sup> December
How you will access home learning		live or the teacher does	crosoft Teams if for one reason or anoth n't deliver the lesson live.	•
How you be able to interact with your teacher and gain feedback on your work			to listen to teacher delivery, to ask ques ioning in the lesson using the chat functi	
Retrieval 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.	PL feedback and assessment week. Feedback on PL expert and end of chapter questions followed by PL written assessment for much of this week.	AS assessment week-an AS assessment paper of past MCQ will take place in the first double of the week, with feedback and follow up taking up the next lessons with targeted intervention as needed.

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 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 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.