Teaching and Learning Content: Science Year Group: 10 Spring Term - Half Term 4



element in a compound Particles - Students will be able to explain how the particles model can explain changes of state, internal energy, specific latent heat of fusion and specific latent heat of vaporisation. Home Learning: Your son/daughter will be provided with a knowledge organiser and will be provided with question to answer based on the core concepts taught. Students are expected to have their homework completed at the end of every topic.	
Key Questions:	Diagnosis
Quantitative Chemistry	-
 What is the law of conservation of mass? 	Recall Quiz
What is the relative atomic mass?	Hinge Questions and Exit tickets
How do you calculate relative formula mass?	Deliberate Practice Questions
How do you calculate the percentage of element in a compound?	Feedback from teachers marking.
Particles	Therapy
Name 6 changes of state?	 Reteach lesson – Respond to
What is density? How is it calculated?	teachers marking.
What is meant by internal energy?	3
 What is meant by the specific latent heat of fusion and specific latent heat of vaporisation? 	
How is latent heat calculated?	
Students will:	Testing
Quantitative Chemistry	Ŭ
 Be able to describe the law of conservation of mass. 	Final end of topic test.
 Be able to describe what is the relative atomic mass. 	
 Be able to calculate the relative formula mass of compounds. 	
 Be able to calculate the percentage of an element in a compound. 	
Particles	
 Be able describe what happens to particles as they change state. 	
Be able describe what is density and explain how it is calculated.	
Be able describe what is internal energy.	
Be able define specific latent heat of fusion and vapourisation.	