

Subject	Ye	ar	Term		
Science	9		3		
	Торіс				
C5 energy Changes		•			
Content (Intent)					
Prior Learning (Topic) 7C1 -le Elements(Lessons 2 &3 – Exo Earth(Lessons 6-8) Exothermic and endothermic reaction Energy profile diagrams Bond energies Using bond energies to calculate the e Understand the meaning of the energy	and Endo react	ions), 8C2 Chen	-		
Future Learning (Topic) C6 Rate and Extent of chemical change, C5 continued in Year 11					
How will knowledge and skills be taught? (Implementation)		How will your understanding be assessed & recorded (Impact)			
Demos	- 1 x standard homework (Level given.				
Calcium reacting with hydrochloric ac Barium hydroxide and ammonium nit	•		Written feedback. Response expected.) -energy profile diagrams_: in exercise book.		
Practical work Investigating exothermic and endothermic reactions Using molymods to visualise bond making /breaking in a reaction		Marked and feedback given. -bond enthalpy calculations_: in exercise book. Marked and feedback given.			
Written Energy changes and linking to energy Calculating energy changes using bon					
How can parents help at home?					
Look at the topic specific resources on the VLE					
Use appropriate youtube channels: cognito, primrosekitten, khan academy,					
freesciencelessons.					
Take an interest! Ask your children what they have learnt and be curious about their					
learning.					
Helpful further reading/discu			Concern Links		
Reading	Vocabulary Lists		Careers Links Research scientist		
	Exothermic				
	Endothermic Profile diagram		Chemical engineer		
	Profile diagram Activation energy				

Bond energy	
Reactants	
Products	
Energy changes	