HOLLAND PARK SCHOOL | 2025-2026

Continuity Curriculum

An online shadow curriculum for students temporarily out of lessons to ensure continuity of learning

Year 10 – Chemistry (Triple Separate Science)

Week Beginning	Lesson Title	Lesson Objective (on video)	Online Lesson Link	Any additional instructions?
8 th September	Lesson 1: C1 - Elements and Compounds Atomic Structure	 Identify elements and compounds from diagrams Write and interpret chemical formulae Identify reactants and products in equations Apply conservation of mass to equations 	https://curriculum.unitedlearning.org.uk/Pupil?r=113867 https://curriculum.unitedlearning.org.uk/Pupil?r=113872	
	Lesson 2: Development of the Atomic Model	 Describe atoms using the nuclear model State the charges and mass of the three subatomic particles Use the periodic table to calculate the number of protons, neutrons and 	https://curriculum.unitedlearning.org.uk/Pupil?r=113900 https://curriculum.unitedlearning.org.uk/Pupil?r=113907	

		electrons for any given element	
15 th September	Lesson 1: Reteach Isotopes	 State the definition of an isotope Compare isotopes from given information Calculate RAM of isotopes given their abundance and give answers to specified number of significant figures or decimal places 	
	Lesson 2: Electron Configuration	Describe what keeps electrons in their orbits Draw and write the electron configuration for any of the first 20 elements Describe the link between outer shell electron number, number of shells and location in the periodic table https://curriculum.unitedlearning.org.uk/Pupil?r=113928 https://curriculum.unitedlearning.org.uk/Pupil?r=113928	
	Lesson 1: Periodic Table Development	Describe the layout of the modern periodic table Compare the early versions of the	

22 nd		periodic table with		
September		the modern one		
September		 Explain how the 		
		periodic table was		
		developed as ideas		
		changed		
	Lesson 2:	Explain the difference	https://curriculum.unitedlearning.org.uk/Pupil?r=113942	
		between metals and		
	Why elements	non-metals in terms		
	react?	of reactions and		
		electrons		
		 Explain why group 0 		
		do not react in terms		
		of electrons		
		 Describe trends in 		
		physical properties of		
		group 0		
	Lesson 1:	 Describe physical 	https://curriculum.unitedlearning.org.uk/Pupil?r=113949	
	0 45	and chemical		
	Group 1 Elements	properties of the		
29 th		group 1 elements		
September		 Write equations to 		
September		represent their		
		reaction with water		
		 Describe and explain 		
		trends in reactivity of		
	•	group 1	Living the second control of the second cont	
	Lesson 2:	Describe/explain trands in physical	https://curriculum.unitedlearning.org.uk/Pupil?r=113956	
	Group 7 Elements &	trends in physical		
	Displacement	properties of group 7		
	2.0000000000000000000000000000000000000	elements eg boiling	https://curriculum.unitedlearning.org.uk/Pupil?r=113963	
		point and colour		
		•		

r			-	
		 Describe/explain trends in reactivity 		
		going down group 7		
			https://curriculum.unitedlearning.org.uk/Pupil?r=112395	
		of a series of		
		reactions of group 7		
		elements and their		
		compounds		
		Explain the results		
		using knowledge of		
		reactivity		
		 Write word and 		
		symbol equations to		
		represent the		
	Lesson 1:	reactions • Describe typical	https://continuityoak.org.uk/Lessons?r=9580	
	Lesson 1.	properties of the	https://continuityoak.org.ok/Lessons:1-9500	
	Transition	transition elements		
	elements	Compare transition		
6 th	Cicincina	elements and their		
		compounds with those		
October		of with group 1		
		Give uses of transition		
		metals linked to their		
		properties		
	Lesson 2:	Recall definitions of	https://curriculum.unitedlearning.org.uk/Pupil?r=113970	
		key terms and use		
	C1 assessment	them correctly		
		Application of		
		knowledge to exam		
		questions		
		questions		

		Correct key		
		misconceptions on		
		this topic		
	Lesson 1:	Represent ionic	https://curriculum.unitedlearning.org.uk/Pupil?r=113977	
	Lesson 1.	bonding using	inceps.//cornections.comteatearning.org.org/ oph/1-1139//	
	C2 - Ionic Bonding			
	or forme boriaing	diagrams • Describe the		
13 th				
-5		formation of an ionic		
October		bond		
		Write formula for		
	_	ionic compounds		
	Lesson 2:	Describe and explain	https://curriculum.unitedlearning.org.uk/Pupil?r=113982	
	Dunamentine of the circ	some of the physical		
	Properties of Ionic	properties of ionic		
	Compounds	compounds	https://growing.ukung.upita.dl.govoing.govo.uk/D::::12:0-	
		 Make and record 	https://curriculum.unitedlearning.org.uk/Pupil?r=113989	
		observations, working		
		safely		
		Describe the		
		limitations of		
		diagrams to		
		represent ionic		
		structures		
	Lesson 1:	Define a covalent	https://curriculum.unitedlearning.org.uk/Pupil?r=113996	
		bond		
	Types of Covalent	 Draw covalent bonds 		
th	Substance	showing shared pairs	haters the order of our materallies of the control of the color	
20 th		of electrons	https://curriculum.unitedlearning.org.uk/Pupil?r=114003	
October		Use different models		
Octobei		for covalent		
		molecules and give	https://curriculum.unitedlearning.org.uk/Pupil?r=114010	
		the limitations for	ittps://comcoloin.onitedleaming.org.org/ opil:1-114010	
		each		

	Τ				
		•	Explain why some		
			covalent substances		
			form giant structures		
			and some form		
			molecules		
		•	Describe physical		
			properties of simple		
			and giant covalent		
			substances		
			Explain physical		
			properties of simple		
			and giant covalent		
			substances		
	Lesson 2:	•	Draw, name and	https://curriculum.unitedlearning.org.uk/Pupil?r=114024	
			recognise polymers		
	Polymers Reteach	•	Explain why polymers		
			tend to be solids at		
			room temperature		
, +b	1		Evalaia why as as		
4 th	Lesson 1:	•	Explain why some	https://curriculum.unitedlearning.org.uk/Pupil?r=114017	
	The Structure and		covalent substances		
November	Bonding of Carbon		form giant structures		
	Bolluling of Carboll		and some form		
			molecules		
		•	Describe physical		
			properties of simple		
			and giant covalent		
			substances		
		•	Explain physical		
			properties of simple		
			and giant covalent		
]	substances		

Describe the properties
of diamond, graphite,
fullerenes and
graphene
Explain the properties
using knowledge of the
bonding and structure
Relate properties of
these carbon
allotropes to their
uses

4 th November	Lesson 2: Metallic Bonding	 Describe the structure and bonding in metals Describe and explain the properties of metals Describe the structure of an alloy Explain why alloys are harder than pure metals 	https://curriculum.unitedlearning.org.uk/Pupil?r=114038	
10 th	Lesson 1:	Predict the state of	https://curriculum.unitedlearning.org.uk/Pupil?r=114045	
November	Solids, Liquids and Gases	substances at different temperatures • Predict the type of bonding present given melting and boiling point data		

		 (HT) Explain the limitations of the particle model in relation to changes of state 		
	Lesson 2: Nanoparticles	 Compare dimensions of particles of different sizes, converting units where necessary Explain why nanoparticles have different properties than bulk materials, using calculations to support Evaluate the use of nanoparticles given appropriate information 	https://continuityoak.org.uk/Lessons?r=9581	
17 th November	Lesson 1: C2 Review and assessment	 Recall definitions of key terms and use them correctly Correct key misconceptions on this topic Application of knowledge to exam questions 	https://curriculum.unitedlearning.org.uk/Pupil?r=114031 https://curriculum.unitedlearning.org.uk/Pupil?r=114052	
	C3 - Atomic and Formula Mass	 Use the periodic table and formulae to determine the relative formula mass of compounds 	https://curriculum.unitedlearning.org.uk/Pupil?r=114064	

24 th November	Lesson 1: <u>Higher Tier</u> Moles and Avogadro	Work out percentage of given elements in a compound Work out the mass of a particular element in a given mass of a compound HT Use Mass = Mr x moles to find any one value given the other two Use Avogadro's constant to calculate number of atoms/molecules in a given mass Calculate the mass of a given number of atoms using Avogadro's constant	https://curriculum.unitedlearning.org.uk/Pupil?r=112895 https://curriculum.unitedlearning.org.uk/Pupil?r=112900	
	Lesson 2: Balancing Equations	 Write chemical formulae using knowledge of ion charges Balance equations using the same number of atoms rule Balance equations using moles (HT only) 	https://curriculum.unitedlearning.org.uk/Pupil?r=114075 https://curriculum.unitedlearning.org.uk/Pupil?r=112909	
	Lesson 1:	FT	https://curriculum.unitedlearning.org.uk/Pupil?r=114076	

	Reacting Masses	Apply conservation of		
	Reacting Masses	mass to equations		
		•		
		Use a balanced		
1 st		equation to work out	https://curriculum.unitedlearning.org.uk/Pupil?r=112914	
		the quantity of reacting		
December		elements needed to		
December		produce a specified		
		quantity of product		
		Predict the mass of		
		product from a		
		specified starting mass		
		HT Predict the mass of		
		product from a		
		specified starting		
		mass		
		Use a balanced		
		equation to work out		
		the quantity of		
		reacting elements		
		needed to produce a		
		specified quantity of		
		product		
		 Suggest why the mass 		
		obtained may be less		
	•	than that calculated		
	Lesson 2:	Apply conservation of	https://curriculum.unitedlearning.org.uk/Pupil?r=112914	
	Higher Tier Reacting	mass to equations		
	Masses Part 2	Use a balanced		
	35555 1 4.10 2	equation to work out		
		the quantity of reacting		
		elements needed to		

8 th December	Lesson 1: Atom economy	produce a specified quantity of product Predict the mass of product from a specified starting mass HT Predict the mass of product from a specified starting mass Use a balanced equation to work out the quantity of reacting elements needed to produce a specified quantity of product Suggest why the mass obtained may be less than that calculated Balance equations using same number of atoms and moles Calculate atom economy for given reactions Choose and justify a	https://continuityoak.org.uk/Lessons?r=9585	
		economy for given reactions		
	Lesson 2: Solutions	Define the term 'concentration'	https://curriculum.unitedlearning.org.uk/Pupil?r=114059	

		Calculate concentration from mass and volume Calculate the mass of a substance in a given volume of a solution of a known concentration	https://curriculum.unitedlearning.org.uk/Pupil?r=112923	
15 th December	Lesson 1: Introduction to Titration	 Safely carry out a titration to achieve repeatable results Calculate mean and uncertainty in burette readings, using concordant results. Calculate the concentration of an unknown alkali using titration readings 	Consolidation of calculations: https://continuityoak.org.uk/Lessons?r=11352 Titrations: https://youtu.be/Fs2jQADGfNc?si=f9QOCrICFjcan7K7 https://continuityoak.org.uk/Lessons?r=9588	
	Lesson 2: Higher Tier: Limiting Reactants	Define a limiting reactant Describe the effect of a limiting reactant on the amount of products it is possible to achieve Calculate the limiting reactant from a balanced symbol equation	https://curriculum.unitedlearning.org.uk/Pupil?r=112928 https://curriculum.unitedlearning.org.uk/Pupil?r=114081	

	Lesson 1:		https://curriculum.unitedlearning.org.uk/Pupil?r=112937	
	TERM ASSESSMENT			
7 th				
January	Lesson 2:		https://youtu.be/mjllPJ_co18?si=TesCTHnGPlu5x3de	
	Review of term assessment			
12 th January	Lesson 1: Moles and Gases	 Calculate the volume of a gas at room temperature and pressure from its mass and formula mass Calculate volumes of gaseous reactants and products from a given volume of a gaseous reactant or product. 	https://youtu.be/lbAj4X6bwqE?si=wiXH4_BgE5uc7hLh	
	Lesson 2: C4- Oxidation and Reduction	 Describe oxidation and reduction in terms of oxygen (HT and electrons) 	https://curriculum.unitedlearning.org.uk/Pupil?r=114082 https://curriculum.unitedlearning.org.uk/Pupil?r=113206	

		Identify where oxidation and reduction have happened given an equation
		Explain how carbon can be used to extract metals from their ores using redox reactions
19 th January	Lesson 1: Metals and Acids Reaction	 Identify variables to change, measure and control to test the reactivity of metals Use observations to order metals in terms of reactivity Write equations for the reactions of acids and metals, naming salts (HT only) identify which species has been oxidised and reduced
	Lesson 2: Reactivity of Metals	Use experimental results to place metals in order of reactivity Write balanced symbol equations for displacement reactions https://continuityoak.org.uk/Lessons?r=7504 https://continuityoak.org.uk/Lessons?r=7511

		 Explain how the reactivity of metal is linked to forming ions Write ionic equations for displacement reactions (HT only) Identify oxidised and reduced species (HT only) 		
26 th January	Lesson 1: Metal Oxides and Acids	 Write chemical equations to represent the reactions of metal oxides and acids Explain the method steps to produce a pure, dry sample of a soluble salt Use ion charges to write formulae for salts 	https://curriculum.unitedlearning.org.uk/Pupil?r=114101	
	Lesson 2: Metal Carbonates and Acids	 Describe evidence for a chemical reaction Describe the test for carbon dioxide and its positive result Write equations to represent the reactions of metal carbonates and acids 	https://curriculum.unitedlearning.org.uk/Pupil?r=114108	

2 nd	Lesson 1:		https://curriculum.unitedlearning.org.uk/Pupil?r=113227	
February	Mid year examinations			
	Lesson 2: Making Salts	 Write a method to prepare a salt using a metal carbonate or metal oxide Write equations for the reactions Suggest corrections to a given method to make a salt 	https://curriculum.unitedlearning.org.uk/Pupil?r=114115	
9 th February	Lesson 1: Acid and Alkali Reactions	 Describe the limitations of using universal indicator to measure pH Write equations to represent the reactions of acids and alkalis Process secondary data on an acid and 	https://curriculum.unitedlearning.org.uk/Pupil?r=114122	
	Lesson 2: Higher Tier Strong and Weak Acids	alkali reaction Explain the difference between strong and weak acids Explain the difference between acid concentration and acid strength Make order of magnitude	https://curriculum.unitedlearning.org.uk/Pupil?r=114157 https://curriculum.unitedlearning.org.uk/Pupil?r=113242	

		calculations to describe changes in pH		
23 rd February	Lesson 1: Titration required practical	 Safely carry out a titration to achieve repeatable results Calculate mean and uncertainty in burette readings, using concordant results. Calculate the concentration of an unknown alkali using titration readings. 	https://continuityoak.org.uk/Lessons?r=9588	
	Lesson 2: Titration calculations	 Suggest improvements to a titration method description Write a method to explain how to find the concentration of an unknown acid or alkali Use titration results to calculate an unknown concentration in mol/dm³ 	https://continuityoak.org.uk/Lessons?r=9589	

2 nd March	Lesson 1: Binary Compound Electrolysis	 Define the terms 'electrolysis' and 'electrolytes' Describe the movement of ions during electrolysis Explain what happens at the electrodes (HT) Write half equations to represent the products 	https://curriculum.unitedlearning.org.uk/Pupil?r=114129	
	Lesson 2: Using Electrolysis to Extract Metals	Describe the extraction of Aluminium from its ore Explain why aluminium oxide is dissolved in cryolite prior for the extraction process Explain why the anode in the aluminium oxide electrolysis cell is replaced frequently (HT) Write the half equations for the reaction	https://curriculum.unitedlearning.org.uk/Pupil?r=114136	

Lesson 1: Electrolysis Solutions March	 Predict, with reasons, the products of the electrolysis of named solutions Carry out the electrolysis of an ionic solution & identify the products. Explain the products of the electrolysis practical (HT) Write appropriate half equations 		
Lesson 2: Required Provide Electrolysis	Develop a hypothesis to test Electrolyse given solutions and identify the products Use results to explain whether or not a hypothesis is supported (HT) Write half equations for the reactions at the electrodes	https://curriculum.unitedlearning.org.uk/Pupil?r=114150 https://curriculum.unitedlearning.org.uk/Pupil?r=114178 https://curriculum.unitedlearning.org.uk/Pupil?r=114164 https://curriculum.unitedlearning.org.uk/Pupil?r=113298	

16 th	Lesson 1:	Define endothermic	https://curriculum.unitedlearning.org.uk/Pupil?r=114185	
	LC33UII I.	and exothermic	necps.//cornection.comeateaning.org.org.org/ opin:1-114105	
NAl.	C5 - Exothermic and	reactions and give		
March	Endothermic	examples of each		
		type	https://curriculum.unitedlearning.org.uk/Pupil?r=114211	
		Describe some		
		everyday uses of		
		exothermic and		
		endothermic		
		reactions		
		Evaluate		
		applications of		
		exothermic and		
		endothermic		
		reactions		
	Lesson 2:	Draw conclusions from	https://curriculum.unitedlearning.org.uk/Pupil?r=114190	
		data collected or		
	Required Practical:	provided		
	Energy Changes	Explain the changes in		
		temperature during the	https://curriculum.unitedlearning.org.uk/Pupil?r=114197	
		experiment		
		 Evaluate the equipment 		
		and method used,		
		making and explaining		
		suggestions for		
		improvement		
		•		
	Lesson 1:	Draw conclusions from	https://curriculum.unitedlearning.org.uk/Pupil?r=114190	
		data collected or		
23 rd	Required Practical:	provided		
	Energy Changes 2	•		
			https://curriculum.unitedlearning.org.uk/Pupil?r=114197	

March		 Explain the changes in temperature during the experiment Evaluate the equipment and method used, making and explaining suggestions for improvement 		
	Lesson 2: C5 Energy Level Diagrams	 Draw and interpret energy level diagrams to represent endothermic and exothermic reactions Label and define activation energy Explain why reactions are endothermic or exothermic overall 	https://curriculum.unitedlearning.org.uk/Pupil?r=114185 https://curriculum.unitedlearning.org.uk/Pupil?r=114211	
13 th April	Lesson 1: Higher Tier: Bond Energies	Calculate bond energy values and use them to predict whether a reaction will be exothermic or endothermic Relate bond energies to the correct part of energy level diagrams	https://curriculum.unitedlearning.org.uk/Pupil?r=113494 https://continuityoak.org.uk/Lessons?r=7666	

		Explain why bond energy calculations have a margin of error		
	Lesson 2	Revision C1	https://continuityoak.org.uk/Lessons?r=7245 https://continuityoak.org.uk/Lessons?r=7268	
	Lesson 1 : Cells and batteries	Describe how cells and batteries can be made and how the voltage can vary	https://continuityoak.org.uk/Lessons?r=9590	
20 th April	Lesson 2: Fuel cells	 Describe how a fuel cell works Write the half equations for the electrode reactions in a fuel cell Evaluate the use of hydrogen fuel cells in comparison with rechargeable cells and batteries 	https://continuityoak.org.uk/Lessons?r=9590	
	Lesson 1:		https://curriculum.unitedlearning.org.uk/Pupil?r=114204	
23 rd	C1 Revision		https://curriculum.unitedlearning.org.uk/Pupil?r=114218	
March			https://curriculum.unitedlearning.org.uk/Pupil?r=113495	

Lesson 2:	https://curriculum.unitedlearning.org.uk/Pupil?r=114218	
Revision C1: Atomic structure,		

	Lesson 1:	https://youtu.be/GyH1-h8vYug?si=I2zrsZhOFHm9e2sN	
14 th	Revision C1: Periodic table		
April			
	Lesson 2:	https://curriculum.unitedlearning.org.uk/Pupil?r=113879	
	Revision C1: Separation techniques		
	·	https://curriculum.unitedlearning.org.uk/Pupil?r=113886	
		https://curriculum.unitedlearning.org.uk/Pupil?r=113893	

	Lesson 1:	https://youtu.be/GyH1-h8vYug?si=V9ZfkvSSrvx5lkJp
20 th	C2 revision: Structure and Bonding ionic	
April	Lesson 2:	https://youtu.be/XTbtuy9hTeU?si=B3-n-Y7ODE5Y8DRE
	C2 revision: Structure and Bonding Covalent & carbon	
	Lesson 1:	https://curriculum.unitedlearning.org.uk/Pupil?r=112895
20 th	C3 revision Molar mass	
April		
	Lesson 2:	https://youtu.be/eAibVvhmsKo?si=8FRh_mHxZEAEN7NL
	C3 revision Reacting masses	
	Lesson 1:	https://youtu.be/hoGoebmztUQ?si=_uPmfzDkCKolunOP
27 th	C3 revision Electrolysis of aluminium oxide	
April	Lesson 2:	https://youtu.be/KTmXEliU_Go?si=V6HgMdjlxwhmhFTW
	C3 revision	

	Electrolysis of solution eg sodium chloride solution and copper sulfate solution Lesson 1: C4 revision:		https://youtu.be/rokbEj2PDEg?si=AlDNN_UNDh9Z1dj9 https://youtu.be/L_BjGKdM2Bk?si=bEuPNtRVaUOOQSYP https://youtu.be/KTmXEliU_Go?si=Yerho7o2EX7dTOLt	
5 th	Acid reactions/neutralisation			
	Lesson 2: C6 - Measuring Rates	 Collect and record data to measure the rate of reaction Plot a graph of the data obtained. Describe and explain patterns in the data collected Calculate the rate of the reaction 	https://curriculum.unitedlearning.org.uk/Pupil?r=114232 https://curriculum.unitedlearning.org.uk/Pupil?r=114235 https://curriculum.unitedlearning.org.uk/Pupil?r=113600	
11th May	Lesson 1: Required Practical: Concentration and Rates of Reaction: Gas syringe	 Collect and record data to investigate the effect of concentration on rates of reaction Display this data appropriately 	https://curriculum.unitedlearning.org.uk/Pupil?r=114238 https://curriculum.unitedlearning.org.uk/Pupil?r=114241	
		 <u>Describe</u> and <u>explain</u> the effect of 	https://youtu.be/⁊igofizgSmY?si=cYsTgyEavroyrijU	

	Lesson 2: Required Practical: Concentration and Rates of Reaction: sodium thiosulfate	 concentration on the rate of reaction Collect data to investigate the effect of concentration on rates of reaction Display this data appropriately Describe and explain the effect of concentration on the 	https://curriculum.unitedlearning.org.uk/Pupil?r=114244	
18 th May	Lesson 1: C5 Revision Energy in reactions: exothermic/endothermic Making salts	rate of reaction	https://youtu.be/BzoCgmmF2tw?si=DZjEEuXhk4AiTqix	
	Lesson 2: C5 Revision energy calculations		https://youtu.be/lygXbRmYJn8?si=xlL-atHxoUgfgmGa https://youtu.be/1AfXbVobwyE?si=iAv643_oeHagXn_g https://youtu.be/CAgnmsLIVBc?si=kofob-ayEdRNi8-z	

	Lesson 1:		https://youtu.be/2i5Lm7BMtpo?si=DMTeSKLrQVUBmi5F	
	C4/5 Revision		https://youtu.be/3HMoibkpxcU?si=zBEXPUmFa5f1rYoJ	
June	Displacement reactions Electrolysis of		https://youtu.be/2uQueWTE2c8?si=Rg6VFWelhf3N1WOF	
	molten salts			
	Lesson 2:	Describe and explain the effect of	https://curriculum.unitedlearning.org.uk/Pupil?r=114253	
	C6: Effect of temperature	temperature on rates of reaction, using particle theory.		
		 Process and analyse secondary data on the effect of temperature on the rate of reaction 		
		 Present secondary data appropriately, explaining the choice of graph 		
	Lesson 1:			
	EoY Assessments			
8 th				
June	Lesson 2: EoY Assessments			

				Т
	Lesson 1:			
	EoY Assessments			
15 th				
June	Lesson 2:			
Jone	EoY Assessments			
	Lesson 1:	 Identify variables to change, measure and 	https://curriculum.unitedlearning.org.uk/Pupil?r=114247	
	<u>C6</u>	control to test a		
23 rd	Effect of Surface Area	hypothesisWrite a valid method to		
June		test the given		
Jone		hypothesisDescribe and explain		
		the effect of changing		
		surface area on the rate of reaction		
		orreaction		
	Lesson 2:	Describe and explain the	https://curriculum.unitedlearning.org.uk/Pupil?r=114250	
	Pressure in Gaseous	effect of pressure on gaseous reaction		
	Reactions	gaseous reaction		
	Lesson 1:	 Describe what a catalyst is and how it 	https://curriculum.unitedlearning.org.uk/Pupil?r=114256	
	The Effect of Catalysts	affects the rate of a		
		reaction		

			
29 th		Explain why more than	
		one catalyst is often	
June		needed	
		Draw a reaction	
		profile for a reaction	
		with and without a	
		catalyst	
	Lesson 2:	FT <u>https://curriculum.unitedlearning.org.uk</u>	/Pupil?r=114259
		Draw a reaction	
		profile for a reaction	
	HIGHER TIER Le	with and without a	
	Chateliers Principle	catalyst	
	Foundation tier:	HT	
	Catalysts and energy	 Describe what is meant https://curriculum.unitedlearning.org.uk 	/Pupil?r=114262
	level diagrams	by a reversible reaction	
		and how to represent it	
		Explain how reversible	
		exothermic and	
		endothermic reactions	
		are linked	
		 Explain what is meant by 'dynamic 	
		equilibrium'	
	Lesson 1:	equitibilitiii	
	Review Chem paper		
	Blue pen task on		
6 th	paper		
	<u> </u>		
July	Lesson 2:		
	Review Chem paper		
	Blue pen task on		
	paper		

	Lesson 1:	HT • State and apply Le	https://curriculum.unitedlearning.org.uk/Pupil?r=114262	
	Reversible Reactions	Chatelier's principle to any reversible reaction		
13 th		Describe the effect on	https://curriculum.unitedlearning.org.uk/Pupil?r=113630	
July		equilibrium of changes to temperature and		
		concentration • Choose and explain the		
		conditions needed to		
		achieve a high yield FT		
		 Describe what is meant by a reversible reaction 		
		and how to represent itExplain how reversible		
		exothermic and		
		endothermic reactions are linked		
		 Explain what is meant by 'dynamic 		
		equilibrium'		
	Lesson 2:	Describe and explain the effect of changes in	https://curriculum.unitedlearning.org.uk/Pupil?r=113635	
	HIGHER TIER Pressure and Yield	pressure on the		
	and field	equilibrium of gaseous reactions	https://curriculum.unitedlearning.org.uk/Pupil?r=113636	

Describe and explain	
the conditions for	
optimum yield for a	
given reaction	