Subject: GCSE Chemistry Triple Science

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<u>Year: 10</u>							
<u>Autumn HT1</u>	Autumn HT2	Spring HT1	Spring HT2	Summer HT1	Summer HT2		
<u>(approx. 21</u>	<u>(approx. 21</u>	<u>(approx. 15</u>	<u>(approx. 12</u>	(approx. 12	<u>approx. 6</u>		
<u>lessons)</u>	lessons)	lessons)	lessons)	<u>lessons)</u>	lessons)		
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1. Elements and	1. Graphene and	1. RP	1. Volume of	1. Reversible	1. Carboxylic		
compounds	fullerenes	Electrolysis	gases	reactions and	acids		
2. Formulae and	2. Metallic	2. Electron	2. Endothermic	energy change	2. Additional		
equations	bonding	transfer	and	2. Equilibrium	polymerisati		
3. Mixtures	3. Properties of	3. Balancing	exothermic	3. Changing	on		
4. History of the	metals and	equations	reactions	concentration	3. Condensing		
atom	alloys	4. Conservatio	3. RP	and	polymerisati		
5. Structure of	4. Nanoparticles	n of mass	temperature	equi <mark>li</mark> brium	on		
the atom	and	5. Relative	changes	4. Changing	4. Amino acids		
6. Ions, atoms	applications	formula	4. Energy level	temperature	5. DNA		
and isotopes	5. Metal oxides	mass	diagrams	and	6. Pure		
7. Electronic	6. Reactivity	6. Moles	5. Energy change	equilibrium	substances		
structure	series	7. Amounts of	calculations	5. Changing	7. Formulation		
8. Development	7. Displacement	- substances	6. Cells and	pressure and	S		
of the periodic	8. Extraction of	8. Moles to	batteries	equilibrium	8. Chromatogr		
table	metals and	balance	7. Fuel cells	6. Crude oil and	aphy		
9. Metals and non	reduction	equations	8. Measuring	hydrocarbons	9. Tests for		
metals	9. Acids and	9. Concentrati	rates	7. Fractional	gases		
10. Exploring	metals	ons of	9. Collision theory	distillation			
group 0	10. Neutralisation	solutions	and rates	8. Properties of			
11. Exploring	11. Soluble salts	10. Limiti	10. The effect of	hydrocarbons			
group 1	12. RP making a	ng	temperature	9. Combustion			
	salt	reactants					

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 12. Exploring group 7 13. Reaction trends and predicting reactions 14. Titration 15. States of matter 16. Ionic bonding 17. Properties of ionic compounds 18. Covalent bonding 19. Properties of small molecules 20. Polymer structures 21. Giant covalent structures 22. Exploring group 7 13. pH and neutralisation 14. Titration 15. Strong and weak acids 16. The process of electrolysis of molten ionic compounds 17. Electrolysis to extract metals 19. Electrolysis of aqueous solutions 	11. Perce ntage yield 12. Atom economy 12. The effect of catalysts 13. RP rate of reaction NOORDEN	 10. Cracking and alkenes 11. Structure and formula of alkenes 12. Reactions of alkenes 13. Alcohols 	
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