

Long Term Plan: Year 9 Chemistry (3 lessons a week)

T e r m 1	W.C 02/09	W.C 09/09	W.C 16/09	W.C 23/09	W.C 30/09	W.C 07/10	W.C 14/10	W.C 21/10	W.C 04/11	W.C 11/11	W.C 18/11	W.C 25/11	W.C 02/12	W.C 09/12	W.C 16.12
		Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1
	Introduction to Chemistry	Unit 5.1 atoms, elements, compounds and mixture Atomic structure	Unit 5.1 development of the atom sub atomic particles relative atomic mass	Unit 5.1 electronic structure periodic table metals and non metals	Test and Feed forward	Unit 5.1 Group 0, group 1 group 7 transition metals	Unit 5.2 Bonding ionic bonding and compounds	Unit 5.2 covalent and metallic bonding	Unit 5.2 states of matter state symbols	Unit 5.2 Properties of small molecules polymers alloys giant covalent	Unit 5.2 structure and bonding of carbon nanoparticles	Unit 5.3 conservation of mass mass change with a gas forming	Test and Feed Forward	Unit 5.3 relative formula mass uncertainty	Unit 5.3 moles balancing with moles limiting reactants
T e r m 2	W.C 06/01	W.C 13/01	W.C 20/01	W.C 27/01	W.C 03/02	W.C 10/02	W.C 24/02	W.C 02/03	W.C 09/03	W.C 16/03	W.C 23/03	W.C 30/03			
	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Science Week	Chemistry Paper 1	Chemistry Paper 1			
	Unit 5.3 concentration percentage yields	Unit 5.3 atom economy conc mol/dm ³ substances related to vol of gas.	Unit 5.4 metal oxides reactivity series extraction	Unit 5.4 reduction REDOX in terms of electrons	Test and Feed Forward	Unit 5.4 acids with metals neutralisation soluble salts	Unit 5.4 req prac: soluble salts pH scale	Unit 5.4 Titrations req prac: titrations	Unit 5.4 strong and weak acids electrolysis half equations	Engaging lessons	Test and Feed forward	Unit 5.4 electrolysis and half equations			
T e r m 3	W.C 20/04	W.C 27/04	W.C 04/05	W.C 11/05	W.C 18/05	W.C 01/06	W.C 08/06	W.C 15/06	W.C 22/06	W.C 29/06	W.C 06/07	W.C 13/07			
	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1			
	Unit 5.5 Exothermic Endothermic	Test and Feed Forward	Unit 5.5 Reaction profiles energy changes	Unit 5.5 Chemical cells and fuel cells	Revision	Revise unit 5.1 DTT	Revise unit 5.2 DTT	Revise unit 5.3 DTT	Test and Feed Forward	Revise unit 5.4 DTT	Revise Unit 5.5 DTT	Unit 5.6 Rates of reaction			

Long Term Plan: Year 10 Triple

T e r m 1	W.C 02/09	W.C 09/09	W.C 16/09	W.C 23/09	W.C 30/09	W.C 07/10	W.C 14/10	W.C 21/10	W.C 04/11	W.C 11/11	W.C 18/11	W.C 25/11	W.C 02/12	W.C 09/12	W.C 16.12
	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2
	Introduction to Chemistry	Unit 5.6 rates of reaction factors that affect rates of reaction	Unit 5.6 Req prac: rates of reaction	Test and Feed Forward	Unit 5.6 Collision theory and activation energy catalysts	Unit 5.6 Reversible reactions equilibrium factors affecting equilibrium	Unit 5.7 crude oil hydrocarbons alkanes	Unit 5.7 fractional distillation properties of hydrocarbons	Unit 5.7 cracking and alkenes	Unit 5.7 structure of alkanes reactions of alkenes alcohol	Unit 5.7 carboxylic acids additional polymerisation condensation polymerisation	Test and Feed Forward	Unit 5.7 amino acids and DNA	Unit 5.8 pure substances formulations chromatography	Unit 5.8 req prac:chromatography gas tests
T e r m 2	W.C 06/01	W.C 13/01	W.C 20/01	W.C 27/01	W.C 03/02	W.C 10/02	W.C 24/02	W.C 02/03	W.C 09/03	W.C 16/03	W.C 23/03	W.C 30/03			
	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2			
	Unit 5.8 flame tests detecting ions rec prac: ions	Unit 5.8 flame emission spectroscopy	Test and Feed Forward	Unit 5.9 gases in the atmosphere earth's early atmosphere oxygen	Unit 5.9 carbon dioxide greenhouse gases and climate change	Unit 5.9 carbon footprint pollutants from fuels	Unit 5.10 earth's resources and sustainable development potable water	Unit 5.10 rec prac: potable water waste water treatment	Unit 5.10 alternative methods of metal extraction LCAs	Test and Feed Forward	Unit 5.10 ways of reducing use of resources corrosion and prevention	Unit 5.10 alloys and ceramics			
T e r m 3	W.C 20/04	W.C 27/04	W.C 04/05	W.C 11/05	W.C 18/05	W.C 01/06	W.C 08/06	W.C 15/06	W.C 22/06	W.C 29/06	W.C 06/07	W.C 13/07			
	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 2	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1								
	Unit 5.10 Haber process	Revision	Test and Feed Forward	Revision DTT 5.1	Revision DTT 5.2	Revision DTT 5.3	Revision DTT 5.4/5.5	Test and Feed Forward	Test and Feed Forward						

