

Year 11	2019-2020		YR11 coordinated	
Week	w/c	Topic area	Lesson title	Practicals
1		C14 Rates of reaction	CC14a: Rates of reaction	
			CC14b: Factors affecting reaction rate	Core Practical: Investigate the effects of changing the conditions of a reaction on the rates of chemical reactions by:
			CC14b: Factors affecting reaction rate	a) measuring the production of a gas (in the reaction between hydrochloric acid and marble chips) b) observing a colour change (in the reaction between sodium thiosulfate and hydrochloric acid)
3			CC14c: Catalysts and activation energy	Investigate the effect of potential catalysts on the rate of decomposition of hydrogen peroxide.
			CC14c: Catalysts and activation energy	
			Revision/End of unit test.	
5			Review	
		C15 Heat changes in chemical reactions	CC15a: Exothermic and endothermic reactions	Measure temperature changes accompanying some of the following types of change: a) salts dissolving in water b) neutralisation reactions c) displacement reactions d)
			CC15a: Exothermic and endothermic reactions	
7			CC15b: Energy changes in reactions	
oct half term			CC16a: Hydrocarbons in crude oil and natural gas	
			CC16b: Fractional distillation of crude oil	Investigate the fractional distillation of synthetic crude oil and the ease of ignition and viscosity of the fractions.
9			CC16b: Fractional distillation of crude oil	
			CC16c: The alkane homologous series	
			CC16d: Complete and incomplete combustion	Investigate the products produced from the complete combustion of a hydrocarbon.
11			CC16d: Complete and incomplete combustion	
			CC16e: Combustible fuels and pollution	
			CC16f: Breaking down hydrocarbons	Suggested practical: Investigate the cracking of paraffin oil.
13			CC16f: Breaking down hydrocarbons	
		C17 Earth and atmospheric science	CC17a: The early atmosphere	
xmas			CC17b: A changing atmosphere	Investigate the proportion of oxygen in the atmosphere.
15			CC17b: A changing atmosphere	
			CC17c: The atmosphere	Investigate the volume of air used up and products formed when candles are burned.
			CC17c: The atmosphere	
17			CC17d: Climate change	Investigate the presence of water vapour and carbon dioxide in the atmosphere.
			CC17d: Climate change	
		Revision of core practicals	C2.11: Core Practical: Investigate the composition of inks using simple distillation and paper chromatography	Year 9
19			C2.11: Core practical: Investigate the composition of inks using simple distillation and paper chromatography	Year 9

			Core practical: Investigate the change in pH on adding powdered calcium hydroxide or calcium oxide to a fixed volume of dilute hydrochloric acid.	Year 10
feb half term			Core Practical: Investigate the electrolysis of copper sulfate solution with inert electrodes and copper electrodes	Year 10
21			Revision	
			Revisi on	
			Revisi on	
23			Revisi on	
			Revisi on	
			Revisi on	
25			Revisi on	
easter			Revisi on	
			Revisi on	
27			Revisi on	
			Revisi on	
			Revisi on	
29			Revisi on	
			Revisi on	
			Revisi on	
31			Revisi on	
			Revisi on	
may half term	Year 11 leave???		Revisi on	
33				
35				
37				
39				