

Y10	Triple	2021-22		
1 1/9	No lessons	No lessons	No lessons	
2 6/9	18a Rates of Reaction	18a Rates of Reaction	18b Factors affecting Rates	
3 13/9	18b Factors affecting Rates	CP6	CP6	MTA Rates
4 20/9	18c Catalysts and Activation Energy	18c Catalysts and Activation Energy	3a Structure of an atom	
5 27/9 NO FRI	3a Structure of an atom	3b Atomic Number and mass Number	MCQ TEST ON RATES	MCQ TEST ON RATES
6 4/10	3b Atomic Number and mass Number	3c Isotopes and relative Atomic Masses	4a Elements and the periodic Table	
7 11/10	4a Elements and the periodic Table	4b Atomic Structure and the Periodic Table	4c Electronic Structure and the Periodic Table	
8 18/10	5a Calculate p,e,n in ions. Recognise ions and molecular ions	5a Formation of ions	5b Ionic Lattices	
OCT Half Term	OCT Half Term	OCT Half Term	OCT Half Term	OCT Half Term
9 1/11	5c Properties of Ionic bonding	5c Properties of Ionic bonding	6a Covalent Bonding	
10 8/11	6a Covalent Bonding	7a Molecular Compounds	7a Molecular Compounds	MTA Ionic Bonding
11 15/11	7b allotropes of carbon	7b allotropes of carbon	7c Properties of Metals	
12 22/11 NO THURS/FRI	7c Properties of Metals	7d Bonding Model	7d Bonding Models	
13 29/11	(C&EQ)	TEST on Bonding	8a acids and indicators	TEST on Bonding
14 6/12	8a acids and indicators	8b Concentration of acids	8b Concentration of acids	
15 13/12	8c Bases and salts theory	CP3	CP3	
CHRISTMAS	CHRISTMAS	CHRISTMAS	CHRISTMAS	CHRISTMAS
16 3/1	8d Alkalis and neutralisation	CP2	CP2	MTA CP3
17 10/1	8e Titration to make a salt	8e ions and neutralisation	8f acids & metals	
18 17/1	8f acids and carbonates	8g Solubility	8g preparation of insoluble salts	MTA CP2
19 24/1	9a Relative Formula mass	9a prac Empirical Formulae	9b Conservation of Mass	
20 31/1	9b Conservation of Mass	9b Conservation of Mass prac	9c moles	
21 7/2	9c moles	Test on C8&C9	(C&EQ)	Test on C8&C9
FEB Half Term	FEB Half Term	FEB Half Term	FEB Half Term	FEB Half Term
22 21/2 NO MON	11a reactivity of metals	11a displacement reactions	11b Extraction of metals	

23 28/2	11b Biological methods of metal extraction (H only)	11c Reduction of metal ores	11c Corrosion is oxidation	
24 7/3	11d Recycling Metals	11d LCA	(C&EQ)	
25 14/3	10a Electrolysis	10a Electrolysis	CP4	
26 21/3	CP4	10b Products of Electrolysis	10b Products of Electrolysis	
27 28/3	13a TM Physical Props	13a TM Chemical Props	13b Corrosion	
EASTER	EASTER	EASTER	EASTER	EASTER
28 18/4 NO MON	13b Sacrificial Protection	13c Electroplating	13c Electroplating	
29 25/4	13d Alloying	13d Alloying	(C&EQ)	
30 2/5 NO MON	Test on C10,11 &13	12a	12a	Test on C10,11 &13
31 9/5	15a Fertilisers	15a Haber Process	15a Haber Process	
32 16/5	15b Factors Affecting equilibrium	15b Factors Affecting equilibrium	15b Factors Affecting equilibrium	
33 23/5	CATCH UP	CATCH UP	CATCH UP	
MAY Half Term	MAY Half Term	MAY Half Term	MAY Half Term	MAY Half Term
34 6/6	17a Group 1	17a Group 1	17b Group 7	
35 13/6	17c Halogen reactivity	17c Halogen reactivity	17d Group 0	
36 20/6 NO FRI	Y10 EXAMS	Y10 EXAMS	Y10 EXAMS	Y10 EXAMS
37 27/6	Y10 EXAMS	Y10 EXAMS	Y10 EXAMS	Y10 EXAMS
38 4/7	19a Exo and Endothermic reactions	19a Exo and Endothermic reactions	19a Simple reaction profiles	
39 11/7	19b Reaction Profiles with Ea	19b Bond Energy Calcs	(C&EQ)	
40 18/7	CATCH UP	CATCH UP	CATCH UP	

Y11	Triple 2021-22		
1 1/9	No Lessons	No Lessons	
2 6/9	16a Making Chemical cells	16a Chemical cell voltages	
3 13/9	16a Fuel Cells	16a Fuel cells strengths and weaknesses	
4 20/9	Review of 9c Moles	14a % yield	
5 27/9 NO FRI	14b Atom economy	14c concentration of salt in sea water practical/demo	
6 4/10	14c Concentration calculations	14d Acid alkali titration core prac 5	
7 11/10	Titration calculations 14d	Titration calculations 14d	
8 18/10	14e molar volume of a gas	C &EQ	
OCT Half Term	OCT Half Term	OCT Half Term	OCT Half Term
9 1/11	20a Hydrocarbons in crude oil	20a Hydrocarbons in crude oil	
10 8/11	Test of C14 & 16	20b Fractional Distillation of Crude Oil	Test of C14 & 16
11 15/11	20b Fractional Distillation of Crude Oil	20c Alkanes	
12 22/11 NO FRI	20d Combustion	20e Combustible fuels & pollution	
13 29/11 NO MON	20f Breaking down hydrocarbons - cracking	REVISION	
14 6/12	MOCKS 1	MOCKS 1	MOCKS 1
15 13/12	MOCKS 1	MOCKS 1	
CHRISTMAS	CHRISTMAS	CHRISTMAS	CHRISTMAS
16 3/1	21a The early atmosphere	21b The changing atmosphere	
17 10/1	21b The changing atmosphere	21c The atmosphere today	
18 17/1	GO THROUGH MOCK 1	21c The atmosphere today	
19 24/1	21d Climate Change	21d Climate Change	
20 31/1	22a Modelling alkanes and alkenes	22b Reactions of alkanes and alkenes	
21 7/2	23a Ethanol production	23a Ethanol production	
FEB Half Term	FEB Half Term	FEB Half Term	FEB Half Term
22 21/2 NO MON	MOCKS 2	MOCKS 2	MOCKS 2
23 28/2	23b Alcohols	CP Core Prac 8	

24 7/3	23c Reactions of carboxylic acids	23c Properties of carboxylic acids	
25 14/3	24a Addition polymers	24b Polymers; properties and uses	
26 21/3	24c Condensation Polymers	24c Condensation Polymers	
27 28/3	24d Problems with polymers	24d Problems with polymers	
EASTER	EASTER	EASTER	EASTER
28 18/4 NO MON	25a Flame tests core prac 7a	25a Flame tests and photometry	
29 25/4	25b Metal hydroxide test core prac 7b 25b Identify ammonium ions	25c Testing for anions core prac 7c	
30 2/5 NO MON	Test on C23,24,25	26a Choosing materials	Test on C23,24,25
31 9/5	26b Composite materials	26c Nanoparticles	
32 16/5	REVISION	REVISION	
33 23/5	REVISION	REVISION	
MAY Half Term	MAY Half Term	MAY Half Term	MAY Half Term
34 6/6			
35 13/6			
36 20/6 NO FRI			
37 27/6			
38 4/7			
39 11/7			
40 18/7			