

## Science - KS4 YEAR 10 GCSE SEPARATE ( F ) - LEARNING JOURNEY 2018-2019

AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures. (40%)

AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures (in an unfamiliar context). (40%)

AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures. (20%)

Week	Date	Key Constructs and Assessment Objectives			Assess Schedule	Topic
1	03.09.18	Cell Biology Interleaving	C1	C1	Interim  main	Biology Paper 1 4.1 4.4
2	10.09.18	Organisation Interleaving	C1	C1		
3	17.09.18	Communicable diseases (viral, bacterial, fungal & protist)	C1	C1		
4	24.09.18	Human defence systems and vaccination	C1	C1		
5	01.10.18	Antibiotics & painkillers, discovery & development of drugs	C1	C1		
6	08.10.18	Plant disease and plant defence responses, photosynthesis	C1	C1		
7	15.10.18	RPA 6, respiration, exercise, metabolism	C1	C1		
8	29.10.18	Atomic structure Interleaving	P1	P1	Main	Chemistry paper 1 4.1-4.5
9	05.11.18	Bonding Interleaving	P1	P1	Interim	
10	12.11.18	Conservation of mass, formula mass, mass changes, uncertainty	P1	P1	Main	
11	19.11.18	Concentration of solns, % yield, atom economy	P1	P1	Main	
12	26.11.18	Metal oxides, reactivity series, extraction of metals	P1	P1	Main	
13	03.12.18	Acids & metals, neutralisation, sol. salts RPA 1	P1	P1	Main	
14	10.12.18	pH scale, titrations, RPA 2	P1	P1	Main	
15	17.12.18	Electrolysis, RPA 3	P1	P1	Main	
16	07.01.19	Energy Interleaving	B1	B1	Interim  Main	Physics Paper 1 4.1-4.4
17	14.01.19	Electricity Interleaving	B1	B1		
18	21.01.19	Density, change of state, internal energy	B1	B1		
19	28.01.19	Specific heat capacity, latent heat, gas pressure	B1	B1		
20	04.02.19	Atomic structure, isotopes, development of model of atom	B1	B1		
21	11.02.19	Radioactive decay, nuclear equations, half life, contamination	B1	B1	Main	
22	25.02.19	Background radiation, uses of radiation, fission and fusion	B2	B2	Main	Biology Paper 2 4.5 - 4.7
23	04.03.19	Homeostasis, nervous system, RPA 7	B2	B2	Interim	
24	11.03.19	Brain and eye, control of body temperature	B2	B2		
25	18.03.19	Endocrine, blood glucose, maintaining water balance	B2	B2		
26	25.03.19	Hormones in reproduction, contraception	B2	B2	Main	
27	01.04.19	Plant hormones, RPA 8	B2	B2	Main	
28	22.04.19	Exothermic and endothermic reactions, RPA 4	Rev	Rev	Main	Chemistry Paper 2 4.6- 4.10
29	29.04.19	REVISION FOR YEAR 10 EXAMS	Rev	Rev		
30	06.05.19	<b>Year 10 exams</b>	C2	C2		
31	13.05.19	Reaction profiles, cells and batteries, fuel cells	C2	C2		
32	20.05.19	Rate of reaction, RPA 5, collision theory, catalysts	C2	C2		
33	03.06.19	Reversible reactions, equilibrium	C2	C2	Interim	Chemistry Paper 2 4.6- 4.10
34	10.06.19	Crude oil, fractional distillation, hydrocarbons, cracking	C2	C2	Main	
35	17.06.19	Alkenes and alcohols, carboxylic acids, addition polymerisation, DNA	C2	C2		
36	24.06.19	Purity, formulations and chromatography, RPA 6	C2	C2		
37	01.07.19	College taster days	C2	C2	Interim	
38	08.07.19	Identification of gases, identification of ions, RPA 7	C2	C2	Interim	
39	15.07.19	Work Experience				
40						