



DRAYTON MANOR HIGH SCHOOL

Curriculum Map

B is the topic number for biology
C is the topic number for chemistry
P is the topic number for physics
L is the lesson number in this topic
e.g. P1 L01 is the first lesson in the first physics topic.

Year 11 Combined Science

		Biology		Chemistry		Physics	
Date	Week	Lesson 1	Lesson 2	Lesson 1	Lesson 2	Lesson 1	Lesson 2
1-Sep	1	Review of knowledge gaps	B4 Bioenergetics L01 Photosynthesis	Review of knowledge gaps	C4 - Chemical changes L01 Reactions of metals and Reactivity Series	Review of knowledge gaps	Electricity P2 L11 Alternating current and the National Grid
8-Sep	2	Assessment Lesson	L02 Rate of photosynthesis	Autumn Assessment	L02 Displacement reactions	Autumn Assessment	L12 Oscilloscopes
15-Sep	3	L03 Required practical 6 photosynthesis	L04 How plants use glucose	L03 Oxidation and reduction	L04 Extracting metals	L13 Cables and plugs	L14 Fuses and Earth wire
22-Sep	4	L05 Uses of greenhouses	Missed lesson due to open evening	L05 Phyto mining and bioleaching	Missed Lesson due to open evening	L15 Electrical power	Missed lessons due to open evening
29-Sep	5	L06 Aerobic respiration	L07 Anaerobic respiration	L06 Neutralisation of acids	L07 Neutralisation of acids	L16 Electrical efficiency	Revision Skills workshop

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END OF TERM							
5-Jan	16	L02 Meiosis	L03 DNA and genome	C6 - Rate and extent of chemical change L01 Calculating rate of reaction	L02 Collision theory and Factors	L06 Resolving forces	L07 Centre of Mass
12-Jan	17	L04 Sex determination and family trees	L05 Inheritance and punnet squares	L03 Factors affecting the rate of reactions and catalysts	L04 Rates of reaction Required Practical 1	L08 Distance, time, speed	L09 Distance-time graphs
19-Jan	18	L06 Inherited disorders and Genetic screening	L07 Variation and Natural Selection	L05 Rates of reaction Required Practical 2	L06 RP exam practice	L10 Velocity-time graphs	L11 Acceleration
26-Jan	19	L08 Selective Breeding	L09 Genetic engineering and ethics	L07 Reversible reaction and equilibrium	L08 The effects of changing conditions on equilibrium (Le Chatelier's principle)	L12 Analysing motion graphs	L13 Forces and Elasticity
2-Feb	20	L10 Evidence for evolution, fossils and extinction	L11 Antibiotic resistant bacteria	L11 The effects of changing conditions on equilibrium Exam Practice	Revision	L14 Force = mass x acceleration	L15 Acceleration required practical
9-Feb	21	Revision	Revision	Revision	Revision	Revision	Revision
HALF TERM							
23-Feb	22	Mock Exams	Mock Exams	Mock Exams	Mock Exams	Mock Exams	Mock Exams
2-Mar	23	Mock Exams	Mock Exams	Mock Exams	Mock Exams	Mock Exams	Mock Exams
9-Mar	24	L12 Classification	L13 The three domains	Revision	Revision	L16 Weight and terminal velocity	L17 Forces and braking



16-Mar	25	Revision	Revision	Revision	Revision	L18 Momentum and conservation of momentum	P7 Electromagnetism L01 Magnetic fields
23-Mar	26	Mock Exam Feedback	Mock Exam Feedback	Mock Exam Feedback	Mock Exam Feedback	Mock Exam Feedback	Mock Exam Feedback
END OF TERM							
13-Apr	27	Revision	Revision	Revision	Revision	L02 Magnetic fields of current and electromagnets	L03 Motor effect
20-Apr	28	Revision	Revision	Revision	Revision	Revision	Revision
27-Apr	29	Revision	Revision	Revision	Revision	Revision	Revision
4-May	30	Revision	Revision	Revision	Revision	Revision	Revision
11-May	31	Revision	Revision	Revision	Revision	Revision	Revision
18-May	32	Revision	Revision	Revision	Revision	Revision	Revision
Half Term							