

Curriculum Map

Year 10 Biology

Year 10 Biology				
Date	Week	Lesson 1	Lesson 2	Lesson 3
01-Sep	1		Intro and expectations	Cell biology revision
08-Sep	2	Cell division	Growth and differentiation	Stem cells
15-Sep	3	Stem cell dilemmas	Cell Biology Assessment (AQA topic test)	Reteach weak areas on cell biology
22-Sep	4	Tissues and organs and The digestive system	Carbohydrates, lipids and Proteins	Enzymes
29-Sep	5	Factors affecting enzymes	Required practical 5 food tests	Required practical 5 food tests
06-Oct	6	How the digestive system works	Making digestion efficient (Bile)	Required practical 4 enzymes
13-Oct	7	Required practical 4 enzymes	Parts of blood	Blood vessels
20-Oct	8	The heart	Heart valve replacements and artificial pacemakers	Breathing and gas exchange
03-Nov	9	Y10 Assessment Week and revision	Y10 Assessment Week and revision	Tissues and organs in plants
10-Nov	10	Tissues and organs in plants	Evaporation and transpiration	Factors affecting transpiration
17-Nov	11	Review of Y10 Assessment	Organisation Assessment (AQA topic test)	Review of weak areas of organisation
24-Nov	12	Health and disease	Pathogens	Required practical 2 microbiology (biology only)
01-Dec	13	Required practical 2 microbiology (biology only)	Preventing Infections	Viral diseases
08-Dec	14	Bacterial diseases	Fungal Diseases	Human defences
15-Dec	15	Plant diseases	Plant defence responses	Vaccinations



DRAYTON MANOR HIGH SCHOOL

Date	Week	Lesson 1	Lesson 2	Lesson 3
05-Jan	16	Antibiotics and Painkillers	Vaccination	Discovering drugs
12-Jan	17	Developing drugs	Monoclonal antibodies (biology only)	Monoclonal antibodies (biology only)
19-Jan	18	Non-communicable diseases	Cancer, smoking and vaping	Diet, exercise
26-Jan	19	alcohol and other carcinogens	Infection and response revision	Infection and Response Assessment (AQA topic test)
02-Feb	20	Photosynthesis	Rate of photosynthesis	Required practical 6 photosynthesis
09-Feb	21	Required practical 6 photosynthesis	How plants use glucose	Making the most of photosynthesis
23-Feb	22	Y10 Assessment Week and Revision	Y10 Assessment Week and Revision	Aerobic Respiration
02-Mar	23	Response to exercise	Anaerobic respiration	Metabolism and the liver
09-Mar	24	Review of Y10 Assessment	Bioenergetics Assessment (AQA topic test)	Review of weak areas of Bioenergetics
16-Mar	25	Principles of homeostasis	Structure and function of nervous system	Reflexes
23-Mar	26	Required practical 7 reaction time	Required practical 7 reaction time	The brain

Date	Week	Lesson 1	Lesson 2	Lesson 3
13-Apr	27	The eye	Eye problems	Revision of Nervous system
20-Apr	28	Reflexes assessment (kerboodle test?)	Feedback on assessment	The importance of communities
27-Apr	29	Abiotic and Biotic factors	Distribution and Abundance	Required practical 9 field
04-May	30	Required practical 9 field	Competition in animals and plants	Adaptations in animals
11-May	31	Adaptations in plants	Feeding relationships	Material cycling
18-May	32	The carbon cycle	Rates of decomposition	Required practical 10 decay (biology only)



DRAYTON MANOR HIGH SCHOOL

01-Jun	33	Required practical 10 decay (biology only)	The human population growth	Land pollution
08-Jun	34	Water pollution	Revision	Revision
15-Jun	35	Y10 Assessment Week and Revision	Y10 Assessment Week and Revision	Y10 Assessment Week and Revision
22-Jun	36	Air pollution	Impact of change	Deforestation and peat destruction
29-Jun	37	Review of Y10 Assessment	Global warming	Maintaining biodiversity
06-Jul	38	Trophic levels and biomass	Biomass transfers	Factors affecting food security and intensive farming
13-Jul	39	Efficient food production - fishing	Efficient food production - biotechnology	Revision of Ecology