

Biology Long Term Programme of Study Year 11

Temperance Term

W/C	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	HALF TERM
Area of Study	B7- Ecology							
Core Learning	<p>B7 Describe how humans can affect biodiversity and consider the actions that improve sustainability.</p> <ul style="list-style-type: none"> -Describe different levels of organisation in an ecosystem and the importance of interdependence -MS Extract and interpret data from graphs and tables -Explain how abiotic and biotic factors can affect a community. -Explain how organisms are adapted to survive. -Draw and interpret food chains. -MS Understand the terms mean, mode and median -RP Measure the population size of a common species in a habitat and investigate the effect of a factor on the distribution of the species. -WS 1.2 Interpret and explain the processes in diagrams of the carbon cycle and the water cycle. 							
Opportunities for Challenge	B7 - Explain how organisms are adapted to live in their natural environment, given appropriate information.							
Assessment	End of Topic Tests							

W/C	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	CHRISTMAS
Area of Study	B7- Ecology		B1 – Cell Biology and B2- Organisation	B3- Infection and Response and B4- Bioenergetics	Mocks (Paper 1)		

Biology Long Term Programme of Study Year 11

<p>Core Learning</p>	<p>B7 Describe how humans can affect biodiversity and consider the actions that improve sustainability.</p> <ul style="list-style-type: none"> -Describe different levels of organisation in an ecosystem and the importance of interdependence -MS Extract and interpret data from graphs and tables -Explain how abiotic and biotic factors can affect a community. -Explain how organisms are adapted to survive. -Draw and interpret food chains. -MS Understand the terms mean, mode and median -RP Measure the population size of a common species in a habitat and investigate the effect of a factor on the distribution of the species. -WS 1.2 Interpret and explain the processes in diagrams of the carbon cycle and the water cycle. 	<p>B1 - Students should be able to, explain how the structure of different types of cell relate to their function in a tissue, an organ or organ system, or the whole organism.</p> <p>B2 - Students should know the structure and functioning of the human digestive system and the respiratory system. Students should be able to describe the relationship between health and disease and the interactions between different types of disease.</p> <p>Revision</p>	<p>B3 - Students should be able to explain how diseases caused by viruses, bacteria, protists and fungi are spread in animals and plants.</p> <p>B4 - Describe and explain the processes of respiration and photosynthesis</p> <p>Revision</p>		
<p>Opportunities for Challenge</p>	<p>B7 - Explain how organisms are adapted to live in their natural environment, given appropriate information.</p>	<p>Grade 7, 8, 9 challenge questions</p>	<p>Grade 7, 8, 9 challenge questions</p>		
<p>Assessment</p>	<p>End of Topic Test</p>	<p>Self assessment and in-class tests</p>	<p>Self assessment and in-class tests</p>		

Biology Long Term Programme of Study Year 11

Justice Term

W/C	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	HALF TERM
Area of Study	B5- Homeostasis and response		B6- Inheritance, variation and evolution		B7- Ecology		
Core Learning	Describe the structure and function of the nervous system and the hormonal system. Revision		Compare asexual and sexual reproduction, with relation to number of chromosomes and explain how favoured characteristics can be selectively bred. Revision		Describe how humans can affect biodiversity and consider the actions that improve sustainability. Revision		
Opportunities for Challenge	Grade 7, 8, 9 challenge questions		Grade 7, 8, 9 challenge questions		Grade 7, 8, 9 challenge questions		
Assessment	Self assessment and in-class tests		Self assessment and in-class tests		Self assessment and in-class tests		

W/C	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	EASTER
Area of Study	Mocks (Paper 2)	Science Skills	B1 – Cell Biology		B2- Organisation		
Core Learning			Students should be able to, explain how the structure of different types of cell relate to their function in a tissue, an organ or organ system, or the whole organism. Revision		Students should know the structure and functioning of the human digestive system and the respiratory system. Students should be able to describe the relationship between health and disease and the interactions between different types of disease. Revision		
Opportunities for Challenge		Grade 7, 8, 9 challenge questions	Grade 7, 8, 9 challenge questions		Grade 7, 8, 9 challenge questions		
Assessment		Self assessment and in-class tests	Self assessment and in-class tests		Self assessment and in-class tests		

Biology Long Term Programme of Study Year 11

Courage Term

W/C	Week 26	Week 27	Week 28	Week 29	Week 30	Week 31	HALF TERM
Area of Study	B3- Infection and response		B4- Bioenergetics		Y11 on bespoke revision timetable		
Core Learning	Students should be able to explain how diseases caused by viruses, bacteria, protists and fungi are spread in animals and plants. Revision		B4 - Describe and explain the processes of respiration and photosynthesis Revision				
Opportunities for Challenge	Grade 7, 8, 9 challenge questions		Grade 7, 8, 9 challenge questions				
Assessment	Self assessment and in-class tests		Self assessment and in-class tests		GCSE Exams		

W/C	Week 32	Week 33	Week 34	Week 35	Week 36	Week 37	SUMMER
Area of Study							
Core Learning	Study Leave						
Opportunities for Challenge							
Assessment	GCSE Exams						