

Curriculum Plan		Subject	Biology		Year	11T4
Spring 2		W/C 22nd February		W/C 1st March		W/C 8th March
How you will access home learning		The PowerPoint and lesson materials will be available in our Year 11 T4 group on Microsoft Teams. Lessons take place at 1.20 on Thursdays in teams. The recording of the lesson will be available on teams, as is the powerpoint and all assignments. You will also find all lesson resources on the G-drive: G:\Science\year 11\GCSE Biology - unit 7 lessons				
How you be able to interact with your teacher and gain feedback on your work		You can interact with your teacher by asking any questions about the work by using the chat function on your Year 11 Microsoft Team Class. Your teacher will monitor your scores on teams assignment quizzes, and you will be able to submit written work for feedback through the online submission function on teams assignments.				
Retrieval How we will help you to recall previously learnt knowledge		Five knowledge recap questions about the previous learning will be at the start of each PowerPoint which will be put on MS Teams. These are self marked using Microsoft forms.				
New Learning	What you will be learning about this week	Unit 7.23 Rate of decomposition and 7.25 Rates of decay analysis	Unit 7.26 The human population explosion Unit 7.27 Land and water pollution	Unit 7.28 Air pollution Unit 7.29 Deforestation and peat destruction		
	How we will teach you the new knowledge or ideas	New knowledge will be taught through PowerPoint content. You will look at pictures to identify the factors that affect the rate of decomposition. You will watch some clips about the required practical -effect of temperature on the rate of decay of fresh milk by measuring pH change. You will then identify the trend in the results data and evaluate the practical.	New knowledge will be taught through PowerPoint content. You will learn the key words used in ecology, and practice using them correctly. You will summarise the reasons why the human population is exploding and why the numbers within our population do no rise and fall like the predator-prey graphs. You will then look at the impact of this explosion on land and water pollution.	New knowledge will be taught through PowerPoint content. You will watch some clips that explore air pollution and specifically acid rain and its effects on the environment. You will also watch clips on the impact if deforestation on land. You will also be researching the actions that have been taken, at local and global levels, to maintain air quality.		
	Activities that will help you learn and practice what you've been taught	Activities will be built into the PowerPoint for you to complete as you follow the instructions and slides. These will be broken down into short tasks. You will complete a range of tasks	Activities will be built into the PowerPoint for you to complete as you follow the instructions and slides. These will be broken down into short tasks. You will complete a range of tasks such as defining different types of pollution	Activities will be built into the PowerPoint for you to complete as you follow the instructions and slides. These will be broken down into short tasks. You will complete a range of tasks practicing some exam questions on air		

		practicing some exam questions and evaluating which designs for compost bins are best.	and then creating a table to identify types of conservation of the environment and specific examples you know about,	pollution. You will also be writing example mark schemes for questions on deforestation.
	What you can do if you are stuck	You can ask a question through the chat function on your Year 11 Biology Microsoft Team, or you can email me. You can go back over the PowerPoint materials and log into Kerboodle to view the textbook.		

		W/C 15 th March	W/C 22 nd March	W/C 29 th March
How you will access home learning		The PowerPoint and lesson materials will be available in our Year 11 T4 group on Microsoft Teams. Lessons take place at 1.20 on Thursdays in teams. The recording of the lesson will be available on teams, as is the powerpoint and all assignments. You will also find all lesson resources on the G-drive: G:\Science\year 11\GCSE Biology - unit 7 lessons		
How you be able to interact with your teacher and gain feedback on your work		You can interact with your teacher by asking any questions about the work by using the chat function on your Year 11 Microsoft Team Class. Your teacher will monitor your scores on teams assignment quizzes, and you will be able to submit written work for feedback through the online submission function on teams assignments.		
Retrieval How we will help you to recall previously learnt knowledge		Five knowledge recap questions about the previous learning will be at the start of each PowerPoint which will be put on MS Teams. These are self marked using Microsoft forms.		
New Learning	What you will be learning about this week	Unit 7.30 Global warming Unit 7.31 The impact of change	Unit 7.32 Maintaining Biodiversity Unit 7.33 Trophic levels and biomass	Unit 7.34 Biomass transfers and Unit 7.35 Factors affecting food security
	How we will teach you the new knowledge or ideas	New knowledge will be taught through PowerPoint content. You will watch some clips that explore global warming and the impacts on the environment specifically focusing on season changes and the changes in bird populations. You will also look at new ideas and technologies that aim to reduce the carbon dioxide emissions and how these might help long term.	New knowledge will be taught through PowerPoint content. You will learn what biodiversity is and the importance of maintaining it focusing on breeding programmes and protection of habitats. You will also extend previous work on carbon dioxide emission and look at how reducing these emission helps with biodiversity. Trophic levels and biomass will also be covered looking at feeding relationships and linking together earlier ideas on food chains and food webs and understanding how a pyramid of biomass can be made.	New knowledge will be taught through PowerPoint content. Trophic levels and biomass will be covered looking at feeding relationships. We will analyse the importance of food security, and consider factors that affect global food security.
	Activities that will help you learn and practice what you've been taught	Activities will be built into the PowerPoint for you to complete as you follow the instructions and slides. These will be broken down into short tasks. You will complete a range of tasks practicing some exam questions on global	Activities will be built into the PowerPoint for you to complete as you follow the instructions and slides. These will be broken down into short tasks. You will complete questions on biodiversity and be able to define it. You will	Activities will be built into the PowerPoint for you to complete as you follow the instructions and slides. These will be broken down into short tasks. You will be asked to complete

		warming and the wider impact on the environment.	make links with previous topic on global warming and see the effect of this on biodiversity. You will complete a range of tasks linking back to previous work food chains including exam questions on the basics then moving onto more complex exam questions covering biomass.	assignments on teams, after doing some research.
	What you can do if you are stuck	You can ask a question through the chat function on your Year 11 Biology Microsoft Team, or you can email me. You can go back over the PowerPoint materials and log into Kerboodle to view the textbook.		