

Biology 2018/19 Scheme of Work Term 1

TERM	WEEK	TOPIC	SYLLABUS OBJECTIVES	NUMBER OF SESSIONS	ACTIVITIES/LABS
1	1-3	Man's Effect on the Environment	1. Definitions of key terms: <ul style="list-style-type: none"> a. Industrialization b. Urbanization c. Endemic Species d. Deforestation e. Eutrophication 2. Explain how human activities are changing the environment globally, with serious consequences. Research positive and negative effects of <ul style="list-style-type: none"> a. Industrialization b. Urbanization c. Developments in Agricultural technology d. Deliberate or accidental introduction of species to new habitats e. Removal of endemic species 	6	
	4-6	Man's Effect on the Environment	1. Discuss how changes in the environment have led to worldwide phenomena; <ul style="list-style-type: none"> a. Greenhouse Effect- definition and explanation of what it is, diagram required b. Global Warming- definition and explanation of what it is, effects, solutions. c. Ozone Layer- definition, cause of damage, effects of depletion, solutions. 	6	
	7- 9	Man's Effect on the Environment	1. Identify steps that may be taken to manage the environment so that a balance can be maintained, despite human activities <ul style="list-style-type: none"> a. Air, Water and Land pollution: <ul style="list-style-type: none"> i. definition, ii. causes, iii. effects, iv. solutions for each. 	6	

			b. Conservation; <ul style="list-style-type: none"> i. Definition of term, ii. How to preserve habitats and natural resources. 3R principle: Reduce, Reuse, Recycle (Other Rs: refuse, restore)		
10- 12	Man's Effect on the Environment	1. Identify protected species in Trinidad and Tobago <ul style="list-style-type: none"> a. Ocelot b. Silky anteater c. Porcupine d. Pawi e. Red howler monkey f. Scarlet ibis g. Pelican h. Manatee i. Leatherback sea turtle j. Sabre wing hummingbird k. Macaw 	6		