

St.Mary's College
Form 5 Course Outline
Biology

Term	Topic	Subtopic	Week
1	Movement in Plants and Animals	Growth movements in plants	1-2
		Structure and function of skeleton and movement in the forelimb	
	Irritability	Stimulus, Response and Nervous Pathway	3-4
		Reflex Arc, Structure and Function of the Brain.	
		Structure and Function of the Eye and Sight Defects	
		Structure and Function of the Skin.	
	Growth	Processes of growth during germination of a seedling	5-6
		Factors affecting germination and models of growth in living organisms.	
	Reproduction	Sexual and Asexual Reproduction in living organisms	6-10
		Structure and Function of Female Reproductive Systems	
		Menstrual Cycle and advantages and disadvantages of birth control methods.	
		Sexual Reproduction in plants, pollination and methods of seed dispersal	
		Structure of a seed.	
	Disease	Pathogenic, deficiency, hereditary and physiological diseases and their treatment/control.	11-12
		Effects of smoking, alcohol and drug abuse	
		Life cycle of vector of pathogenic disease and methods of control	
		Role of blood in immunity against disease	
		Immunisation and its role in preventing disease.	
		Impact of Disease on plant and animal diseases.	
	Cell Division and Inheritance	Role of DNA, Chromosomes and Genes in Inheritance	
		Types of Cell Division	

		Monohybrid Inheritance, Sex Determination and Genetic diseases	12-13
2	Implementation of Planning and Design	Recording data and presentation of implementation project.	1-2
	Genetic Variation	Continuous and Discontinuous Variation	3-4
	Species and Speciation	Natural Selection and Evolution of Species	5-6
	Genetic Engineering	Mechanism of genetic engineering, advantages and disadvantages	6-7
	Completion of School Based Assessments and Preparation for CSEC Moderation	Practice laboratory work ,presentations etc	8-10
	Revision	Term review, Past papers etc.	10-11