

St.Mary's College
Form 5 Course Outline
Biology 2020-2021

Term	Topic	Subtopic
1	Disease and Immunity	
		Role of blood in immunity against disease
		Immunisation and its role in preventing disease.
		Impact of Disease on plant and animal diseases.
	Mitosis and Asexual Reproduction	
		DNA, chromosomes and genes
		Process of mitosis
		Comparing sexual and Asexual reproduction
		Explain why asexual reproduction gives rise to genetically identical offspring
	Meiosis, chromosome structure and Genes	
		Proces of meiosis
		Importance of halving the chromosome number in the formation of gametes
	Sexual Reproduction	
		Structure and function of reproductive systems in humans
		Menstual cycle
		Role, advantages and disadvantages of contraception
		Compare the structure of an insect pollinated flower and a wind pollinated flower
		Pollination and fertilization
		Structure and adaptations of a fruit
		Structure of a dicotyledonous seed
	Heredity and Genetics	genes)
		diseases
	Variation and evolution	Natural Selection and artificial selection
		Importance of genetic variation
		Mutation

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Chapter 20 page 222
Chapter 21 page 233
Chapter 18 Page 196
Chapter 19 page 209
Chapter 22page 239
Chapter 23 page 253