Grade 11 Human and Social Biology Unit Plan Term 1 and 2

Duration	Topic	Specific Objectives (refer to syllabus)
4 Weeks	**The Excretory system** • Importance of excretion • Excretory organs and their functions/roles • Structures and functions of the Kidney • Formation and composition of urine • Structures and functions of the skin	Section B 5.1 – 5.4
3 weeks	**Homeostasis and osmo-regulation** • Definition and examples • Negative feedback mechanisms • Regulation of water • Heat and temperature	Section B 5.5 – 5.10
2 weeks 2 weeks 3 weeks 3 weeks	**The Reproductive system** • Definition of reproduction • Types of reproduction • Asexually reproduction – advantage and disadvantages • Sexually reproduction- Advantages and Disadvantages • Menstrual Cycle • Structures and functions of the male Reproductive System • Structures and functions of the female Reproductive System • Pregnancy (ovulation, fertilisation and implantation) • Development of the embryo • Birth process • Importance of pre-natal and post-natal care.	Section B 7.1- 7.11

Grade 11 Human and Social Biology Unit Plan Term 1 and 2

	• Birth Control Methods • Abortion (spontaneous abortion) • Importance of family Planning	
4 weeks	**Heredity and Variation** • Definition of terms • Process of Mitosis • Importance of mitosis (refer to asexual reproduction) • Process of meiosis • Importance of meiosis • Variation- examples and importance • Comparison of genetic variation and variation	Section C 1- 6
4 weeks	• Genetic Inheritance • Explain the different types of inheritance • Describe the inheritance of sex in human beings; • Sex linked diseases- include genetic diagrams • Mutation • Concepts of Genetic Engineer • Advantages and disadvantages of Genetic Engineering	Section C 7- 11
5 weeks	**Health and Disease Organisms** • Definition of the term health and disease	Section D 1- 9

Grade 11 Human and Social Biology Unit Plan Term 1 and 2

	• Classification of diseases • Signs and Symptoms • Causes, Symptoms and treatment(s) of asthma • Causes, signs/symptoms, treatment and prevention of chronic/ lifestyle diseases. • Sexually transmitted infections- causative agents, signs, symptoms, prevention and control. • HIV/AIDS	
2 Weeks	**Impact of diseases on the human population** • Effect of malaria and the Human body • Effects of vectors on Human Health • Life Cycle of the Mosquito and Housefly • Importance and methods of controlling vectors which affect human health.	**Section D 10- 14**
2weeks	**Hygiene** • Definition of term • Personal hygiene • Methods used the growth of Micro organisms(Sterilization, pasteurization etc) • Common antibiotics and antifungal agents	**Section D 15- 18**
2 weeks	**Immunity** • Definition of immunity • Types of immunity	**Section D 19- 20**

Grade 11 Human and Social Biology Unit Plan Term 1 and 2

	• Distinguish between immunity and immunization ; vaccine and vaccinations	
2 weeks	**Drugs and their Effects** • Definition of terms • Classifications of drugs –Prescription and Non prescription drugs • Social effects of drug taking • Reason for taking Drugs • Alcohol as a drug • Effects of alcohols and the body	**Section D 21-23**
8 Weeks	**Impact of health practices on the Environment** • Definition of terms • Water and Air pollution • Methods of controlling pollutants • Water cycle • Ways of purifying water in the home • Describes the processes involves in water purification on a large scale**.** • Impacts of human activities on water supplies • Sewage disposal practices. • Outline the Processes involve the treatment of sewage • Pit larine • Methods of domestic refuse disposal • Types of solid waste	**Section E 1 -23**

	• Impacts of solid waste disposal and the environment • Measures used to control solid waste volumes. • **Revision**	