



Pakistan Urdu School- Kingdom of Bahrain
Curriculum Implementation Plan for BIOLOGY Grade X

No.	Month/Week	Starting Date	Topics from Textbook or Others (Specify Unit Titles and Numbers)	National Curriculum References (Competency, Standards, Themes)	Total Periods
1.	April & May/ 2 weeks	24-4-2018	UNIT-11 GASEOUS EXCHANGE Gaseous Exchange In plants Gaseous Exchange In Humans Respiratory Disorders	Standard 1.a (USING SCIENTIFIC KNOWLEDGE) Students will be able to understand the principles of biology, diversity in life forms, structure and functions of cells, the processes of life, and continuity in life, how living things interact with each other and their environment and the applications of biology for human welfare.	10 days
2.	May/2 weeks	8-5-2018	UNIT-11- Homeostasis 11.1 Homeostasis In Plants 11.2 Homeostasis In humans 11.3 The Urinary System Of Humans 11.4 The urinary disorders	Standard 1.a (USING SCIENTIFIC KNOWLEDGE) Students will be able to understand the principles of biology, diversity in life forms, structure and functions of cells, the processes of life, and continuity in life, how living things interact with each other and their environment and the applications of biology for human welfare.	10 days
3.	May & June 3 weeks	22-5-2018	UNIT-12-Coordination Human Nervous System. Receptors In Humans Endocrine System Disorders Of Nervous System	Standard 1.a (USING SCIENTIFIC KNOWLEDGE) Students will be able to understand the principles of biology, diversity in life forms, structure and functions of cells, the processes of life, and continuity in life, how living things interact with each other and their environment and the applications of biology for human welfare.	15 days
4.	August	28-8-2018	Revision		5 days
5.	September	4-9-2018	Commencement of first terminal exam		

6.	September/ 1week	23-9-2018	UNIT-13 -SUPPORT AND MOVEMENT Human Skeleton Types Of Joints Muscles And Movement Disorders Of Skeletal System	<u>Standard 1.b (USING SCIENTIFIC KNOWLEDGE)</u> Students will be able to understand the processes of scientific investigation. They will be able to identify a problem, design and conduct experiments and communicate their findings using a variety of conventional and technological tools.	5 days
7.	September &October/2 weeks	30-9-2018	UNIT-14- Reproduction Methods of A sexual Reproduction Sexual Reproduction in Plants Sexual reproduction in animal AIDS	<u>Standard 1.a (USING SCIENTIFIC KNOWLEDGE)</u> Students will be able to understand the principles of biology, diversity in life forms, structure and functions of cells, the processes of life, and continuity in life, how living things interact with each other and their environment and the applications of biology for human welfare.	10 days
8.	October		UNIT-15 INHERITANCE Introduction To Genetics Chromosomes And Genes Chromosomes And Genes Co-Dominance And Incomplete Dominance	<u>Standard 1.a (USING SCIENTIFIC KNOWLEDGE)</u> Students will be able to understand the principles of biology, diversity in life forms, structure and functions of cells, the processes of life, and continuity in life, how living things interact with each other and their environment and the applications of biology for human welfare.	10 Days

9.			<p>UNIT-16- MAN AND HIS ENVIRONMENT</p> <p>Levels of Biological Selection</p> <p>Flow Of Materials And Energy In Ecosystem</p> <p>Interactions In Ecosystems</p> <p>Ecosystem balance And Human Impact</p> <p>Pollution; Consequences And Control Conservation Of Nature</p>	<p>Standard 2.a (CONSTRUCTING NEW SCIENTIFIC KNOWLEDGE)</p> <p>Students will be able to display a sense of curiosity and wonder about the natural world and demonstrate an increasing awareness that this has led to new developments in science and Technology.</p>	10 Days
10.	November/1 week	20-11-2018	Revision		
	November& December	27-11-2018	Commencement of second terminal exam		
11.	January/2 week	2-1-2019	<p>UNIT-17-BIOTECHNOLOGY</p> <p>Introduction Of Biotechnology</p> <p>Fermentation</p> <p>Genetic Engineering</p> <p>Single-Cell Protein</p>	<p>Standard 3.a(REFLECTING ON SCIENTIFIC KNOWLEDGE)</p> <p>Students will be able to demonstrate an understanding of the impact of science and technology on society and use science and technology to identify problems and creatively address them in their personal, social and professional lives</p>	5 Days
12	January/1 week	9-1-2019	<p>UNIT-18 PHARMACOLOGY</p> <p>Medicinal Drugs</p> <p>Addictive Drugs</p> <p>Antibiotics And Vaccines</p>	<p>Standard 2.a (CONSTRUCTING NEW SCIENTIFIC KNOWLEDGE)</p> <p>Students will be able to display a sense of curiosity and wonder about the natural world & demonstrate an increasing awareness that this has led to new developments in science and technology</p>	5 Days

13.	January & February/1 Week and 3 days	28-1-2018	Revision		8 Days
14.	February	10-2-2018	Prelim exam		

Prepared By **Grace John**