



Pakistan Urdu School- Kingdom of Bahrain
Curriculum Implementation Plan for General Science 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
			Unit – 3 Biochemistry and biotechnology		
1.	April/04	23-04-2018	3.1 Metabolism and digestion of food	STRAND-1: LIFE SCIENCE Student will be able to understand, explain and differentiate between the structure, characteristics and basic needs of living things, the processes of life, and will also investigate the diversity of life and how living things interact with each other and their environment.	03
2.			3.2 Enzymes		02
3.	April/May 04/01		3.3 Human blood		04
4.			3.4 Chromosomes and Genes		02
5.	May/02		3.5 Genetic engineering		01
6.			3.6 Improvements of Crops		02
7.			3.7 Antibiotics and vaccine		03

No.	Month/Week	Starting Date	Topics from Textbook or Others (Specify Unit Titles and Numbers)	National Curriculum References (Competency, Standards, Themes)	Total Periods
			Unit – 4 Man and health		
1.	May/03	13-05-2018	4.1 Major components of food	STRAND-1: LIFE SCIENCE Student will be able to understand, explain and differentiate between the structure, characteristics and basic needs of living things, the processes of life, and will also investigate the diversity of life and how living things interact with each other and their environment.	06
2.	May/04		4.2 Food and energy		01
3.			4.3 Balanced diet		01
4.			4.4 Co-ordination		03

5.			4.5 Aging and Decay of the body	other and their environment.	01
6.	May/05		4.6 Exercise And Healthy Living		04
7.			4.7 First Aid		02

No.	Month/Week	Starting Date	Topics from Textbook or Others (Specify Unit Titles and Numbers)	National Curriculum References (Competency, Standards, Themes)	Total Periods
			Unit-6 Environmental and natural resources		
1.	June/01	03-06-2018	6.1, 6.2 Composition And Different Layers Of Atmosphere.	STRAND-1: LIFE SCIENCE Student will be able to understand, explain and differentiate between the structure, characteristics and basic needs of living things, the processes of life, and will also investigate the diversity of life and how living things interact with each other and their environment.	01
2.			6.3 Ozone 6.4 Green House Effect		01
3.			6.5 Energy radiations and absorption in the atmosphere		01
4.			6.7 Pollution		03
5.	August/Sep 04/01	28-08-2018	6.8 Occurrence of Fossil Fuels and their Uses		01
6.			6.12 Natural and Mineral Resources of Pakistan		02
7.			6.13 Conservation of renewable and nonrenewable resources		02
8.	Sep/04	23-09-2018	6.14 Agriculture		02
9.			6.16 Wild Life Marine Resources		01
10.			6.17 Population of Pakistan		03

No.	Month/Week	Starting Date	Topics from Textbook or Others (Specify Unit Titles and Numbers)	National Curriculum References (Competency, Standards, Themes)	Total Periods
			Unit-8 Current electricity		
1.	Oct/01	01-10-2018	8.1,8.2 Electric current and Voltage	STRAND-1: LIFE SCIENCE Student will be able to understand, explain and differentiate between the structure, characteristics and basic needs of living things, the processes of life, and will also investigate the diversity of life and how living things interact with each other and their environment.	01
2.			8.3,8.4 Resistance and Ohm's law		02
3.			8.5 Electric circuits, Capacitors		01
4.			8.6 Transformers		01
5.			8.7 Direct and alternating current		01
6.	Oct/02		8.8 Dangers of electricity and how to use electricity safely		03
7.			8.9 Measuring instruments		02

No.	Month/Week	Starting Date	Topics from Textbook or Others (Specify Unit Titles and Numbers)	National Curriculum References (Competency, Standards, Themes)	Total Periods
			Unit-10 Science and technology		
1.	Oct/03	14-10-2018	10.1 Science and Technology	STRAND-3: EARTH AND SPACE SCIENCE Students will understand and explain the structure, processes, and interactions among the Earth's systems. They will also explain scientific theories about the origin and evolution of the Earth and the universe, and investigate how we learn about the universe.	01
2.			10.2 Laser and its applications		02
3.			10.3 Satellite		01
4.			10.4 Radar		02
5.	Oct/04	21-10-2018	10.5 Isotopes		03
6.			10.6 X-ray and Ultrasound		01

7.			10.7 ECG , EEG and Angiography		02
8.	Oct/05	28-10-2018	10.9 Important industries of Pakistan		06
9.	Nov/01,02,03	4-11-2018	Revision		
10.	Nov/Dec		Exams		

No.	Month/Week	Starting Date	Topics from Textbook or Others (Specify Unit Titles and Numbers)	National Curriculum References (Competency, Standards, Themes)	Total Periods
			Unit – 11 Pakistan’s space and nuclear program		
1.	Dec/Jan 05/01	30-12-2018	11.1 Space exploration and Rockets	STRAND-3: EARTH AND SPACE SCIENCE Students will understand and explain the structure, processes, and interactions among the Earth’s systems. They will also explain scientific theories about the origin and evolution of the Earth and the universe, and investigate how we learn about the universe.	02
2.			11.2 Rockets		01
3.			11.3 Satellite		01
4.			11.4 Space shuttle		02
5.	Jan/02		11.5 Pakistan's space program		02
6.			11.6 Pakistan’s nuclear program		04
7.	Jan/Feb 3,4/1		Revision		
8.	Feb		Exams		