

Grade 10 Biology Year Plan 2019-2020

September 1, 2019-October 23, 2019	October 28, 2018--January 23, 2020	January 26, 2020--March 26, 2020	April 5, 2020--June 16, 2020
<p>Unit 1: Living Systems</p> <p>Section 1.1 Life in the Earth Systems</p> <p>Section 1.2 Organisms; Cells to Body Systems Digestive System Excretory System</p> <p>Section 1.3 Mechanisms of Homeostasis</p> <p>Unit 2: Chemistry in Living Systems</p> <p>Section 2.1 Chemical Bonds and Reactions</p> <p>Section 2.2 Carbon Based Molecules</p> <p>Unit 3: Matter and Energy in Living Systems</p> <p>Section 3.1 Photosynthesis</p> <p>Section 3.2 Cellular Respiration</p> <p>Section 3.3 Modelling Matter and Energy in Ecosystems</p> <p>Section 3.4 Cycling of Matter and Energy in Ecosystems</p>	<p>Unit 4: Ecosystems: Stability and Change</p> <p>Section 4.1 Population Dynamics</p> <p>Section 4.2 Ecosystem Dynamics</p> <p>Unit 5: Cells: Stability and Change</p> <p>Section 5.1 Cell Cycle</p> <p>Section 5.2 Mitosis and Differentiation</p> <p>Unit 6: Structure and Function of DNA</p> <p>Section 6.1 DNA Structure and Replication</p> <p>Section 6.2 Protein Synthesis</p> <p>Section 6.3 Gene Expression and Regulation</p>	<p>Unit 7: Genetics and Heredity</p> <p>Section 7.1 Meiosis</p> <p>Section 7.2 Mendel and Heredity</p> <p>Section 7.3 Traits and Probability</p> <p>Section 7.4 Mutations and Genetic Diversity</p> <p>Section 7.5 Genetic Engineering -overview</p>	<p>Unit 9: Patterns of Evolution</p> <p>Section 9.2 Changes in Species</p> <p>Section 9.3 Adaptive Value of Behavior</p> <p>Unit 10: Human Impacts on the Environment</p> <p>Section 10.1 Human Population Growth and Environment</p> <p>Section 10.2 Human Impacts on Biodiversity</p> <p>Section 10.3 Engineering Solutions to Environmental Impacts</p>
Global Citizenship	Global Citizenship	Global Citizenship	Global Citizenship

***Mission Statement:** Al-Bayan International School personalizes learning to achieve intellectual and individual growth of all students, empowering them to impact their community.*