

Grade 7 Science Year Plan 2019 - 2020

September 2,2019 --November 3, 2019	November 4, 2019--January 116, 2020	January 26, 2020--March 19, 2020	April 5 , 2020--June 7, 2020
<p>Module F – Geological Processes and History</p> <p>Unit 1 – The dynamic Earth Lesson 1: Weathering, erosion and deposition Lesson 2: Rock cycle Lesson 3: Earth’s plates Lesson 4: Earth’s changing surface</p> <p>Unit 2- Earth through time Lesson 1: The age of Earth’s rocks Lesson 2: Earth’s history</p> <p>Module D – The diversity of Living Things</p> <p>Unit 1 – The History of life on Earth Lesson 1: The fossil record Lesson 2: Patterns of change in life on Earth</p>	<p>Module D – The diversity of Living Things</p> <p>Unit 1 – The History of life on Earth Lesson 3: Evidence of common ancestry</p> <p>Unit 2 – Evolution (make sure only touch on appropriate content) Lesson 1: Genetic change and traits Lesson 2: Natural selection Lesson 3: Speciation and extinction</p> <p>Unit 3 – Human influence on inheritance Lesson 1: Artificial selection Lesson 2: Genetic engineering</p> <p>Module B – Cells and Heredity</p> <p>Unit 1- Cells Lesson 1: The characteristics of cells Lesson 2: Cell structures and function</p>	<p>Module B – Cells and Heredity</p> <p>Unit 2 – Organisms and systems Lesson 1: Levels of organization in organisms Lesson 2: Plant bodies as systems Lesson 3: Animal bodies as systems Lesson 4: Information processing in animals</p> <p>Unit 3 – Reproduction, Heredity and growth Lesson 1: Inheritance Lesson 2: Asexual and sexual reproduction Lesson 3: Plant reproduction and growth Lesson 4: Animal reproduction and growth</p> <p>Module J – Chemistry</p> <p>Unit 1 – The structure of matter Lesson 1: The properties of matter Lesson 2: Atoms and elements Lesson 3: Molecules and extended structures</p>	<p>Module J – Chemistry</p> <p>Unit 2 – States of matter and changes of state Lesson 1: States of matter Lesson 2: Changes of state</p> <p>Unit 3 – Chemical processes and equations Lesson 1: Chemical reactions Lesson 2: Chemical equations Lesson 3: Engineer it. Thermal energy and chemical processes.</p> <p>Unit 4 – The chemistry of materials Lesson 1: Natural and synthetic materials Lesson 2: Engineer it: The life cycle of synthetic materials</p>
<p>Global Citizenship</p> <p>ANCIENT BUILDING MATERIALS Rock has been used as a construction material by both ancient and modern civilizations. Have students research one of the following ancient sites. They can build a model that conveys the use of rock and the cultural significance of the site.</p> <ul style="list-style-type: none"> • Small towns carved into cliff sides by Ancestral Puebloans in the American Southwest. • Vast temple complex, called Angkor, carved from clay, sandstone, and laterite in what is now Cambodia. 	<p>Global Citizenship</p>	<p>Global Citizenship</p>	<p>Global Citizenship</p>

- Great Zimbabwe, a walled city guarded by monoliths built by African traders

DATING AN ARCHAEOLOGICAL SITE

Archaeologists use absolute dating to determine the ages of artifacts. Have students research an archaeological site that has already been excavated. They can create a diagram of the site on a poster that also identifies the substrate (rock or soil) in which the artifacts were found, what artifacts were found, how they were dated, and what was learned about the group or civilization.

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