PACE ACADEMY
SCIENCE 6
CURRICULUM GUIDE
S.Y. 2020-2021

Most Essential Learning Competencies	Science Lessons
FIRST QUARTER	
Describe the appearance and uses of homogeneous and heterogeneous mixtures	Lesson 1.1 Mixtures and Their Characteristics
Describe techniques in separating mixtures such as decantation, evaporation, filtering, sieving and using magnet	Lesson 1.2 Separating Mixtures
Explain how the organs of each organ system work together Explain how the different organ systems work together	Lesson 1.3 Human Body Systems
SECOND QUARTER	
Determine the distinguishing characteristics of vertebrates and invertebrates	Lesson 2.1 Vertebrates
	Lesson 2.2 Invertebrates
	Lesson 2.3 Protecting and Caring for Animals
Discuss the interactions among living things and nonliving things in tropical rainforests, coral reefs and mangrove swamps	Lesson 2.4 Tropical Rainforest Ecosystem
	Lesson 2.5 Coral Reef Ecosystem
	Lesson 2.6 Mangrove Swamp Ecosystem
THIRD QUARTER	
Infer how friction and gravity affect movements of different objects	Lesson 3.1 Gravitational Force
	Lesson 3.2 Frictional Force
Demonstrate how sound, heat, light, and electricity can be transformed	Lesson 3.3 Energy Transformation
Manipulate simple machines to describe their characteristics and uses	Lesson 3.4 Simple Machines

Describe the changes on the Earth's surface as a result of earthquakes and volcanic eruptions	Lesson 3.5 Earthquakes
	Lesson 3.6 Volcanic eruptions
FOURTH QUARTER	
Describe the different seasons in the Philippines	Lesson 4.1 Weather
	Lesson 4.2 Seasons
Differentiate between rotation and revolution and describe the effects of the Earth's motions	Lesson 4.3 Rotation of Earth
	Lesson 4.4 Revolution of Earth
Compare the planets of the solar system	Lesson 4.5 The Sun
	Lesson 4.6 Planets

Reference: *The Scientist in Me 6* (2019). Penerbitan Pelangi Sdn. Bhd. Rex Book Store, Inc.

Time Allotment: Two (2) synchronous sessions (40 minutes per session); Five (5) asynchronous sessions (40 minutes per session)

Promotion/Retention:

- Assessments will be categorized as the following with the corresponding weight:
  - Short Quizzes (20%)
  - Written Outputs (35%)
  - Product and Performance Tasks (45%)
- **Short Quizzes**. These include summative assessments after every lesson, group of related lessons, or chapter.
- **Written Outputs**. These include concept maps, data recording and analyses, laboratory reports and documentations, reaction/reflection papers, article reviews, and surveys.
- **Product and Performance Tasks**. These include portfolios, investigatory projects, models and diagrams construction, prototype building, research papers, debates, designing and implementation of action plans, designing various models, doing scientific investigations, issue-awareness campaigns, laboratory activity, multimedia presentations, simulation, skills demonstration, and verification experiments.