

PACE ACADEMY
SCIENCE 2
CURRICULUM GUIDE
S.Y. 2020-2021

| Most Essential Learning Competencies | Science Lessons |
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| FIRST QUARTER | |
| Classify objects and materials as solid, liquid, and gas based on some observable characteristics | Lesson 1.1: Physical Properties of Materials |
| | Lesson 1.2: Choosing Materials |
| Describe the functions of the sense organs of the human body | Lesson 1.3: Our Five Senses |
| Identify the basic needs of humans, plants and animals such as air, food, water, and shelter | Lesson 1.4: Our Needs |
| SECOND QUARTER | |
| Describe animals in their immediate surroundings | Lesson 2.1: Names of Baby Animals |
| Identify observable characteristics that are passed on from parents to offspring (e.g. humans, animals, plants) | Lesson 2.2: Growth |
| | Lesson 2.3: Seeds and Germination |
| Identify observable characteristics that are passed on from parents to offspring (e.g. humans, animals, plants) | Lesson 2.4: Life Cycle of Plant |
| THIRD QUARTER | |
| Explain how living things depend on the environment to meet their basic needs | Lesson 3.1: Factors Affecting our Environment |
| Recognize that there is a need to protect and conserve the environment | Lesson 3.2: Ways to Prevent Environmental Damages |
| Describe the different uses of light, sound, heat and electricity in everyday life | Lesson 3.3: Forms of Energy |
| | Lesson 3.4: Energy Sources to Generate Electricity |
| | Lesson 3.5: Conservation of Energy and Electricity |
| FOURTH QUARTER | |

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| Relate the importance of surroundings to people and other living things | Lesson 4.1: Types of Natural Resources and their Uses |
| Describe the changes in the weather over a period of time | Lesson 4.1: Weather and Season |
| | Lesson 4.2: Types of Clouds |
| Describe the natural objects that are found in the sky during daytime and nighttime | Lesson 4.3: Day and Night |

Reference:

How, G.K. (2019). *The Scientist in Me Worktext in Science* (2019 ed.). Rex Printing Company, 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.