4

**Content Schedule and Assessment Scoring**

|  |  |  |  |
| --- | --- | --- | --- |
| **Content** | **Assessment** | **Total** | **Scores** |
| **1st Half** | **Before Mid-semester** |  | **30%** | **…. %** |
| May to July | Unit 1: Introduction to ScienceUnit 2: Atoms, Elements, and Compounds | Unit Test  | 5% | …. % |
| Average Classwork | 5% | …. % |
| Mid-semester Examination50 items (multiple choices) | 20% | …. % |
| **2nd Half** | **After Mid-semester** |  | **40 %** | **…. %** |
| July to September | Unit 3: Cells as the Unit of LifeUnit 4: Plants | Unit Test | 10% | …. % |
| Average Classwork | 10% | …. % |
| Project | 10% | …. % |
| Participation and Conduct | 10% | …. % |
|  |  | **Final Examination**1. 50 items (multiple choices)2. 2 subjective questions | **30%** | **…. %** |
| **Total** | **100%** | **…. %** |

**\*1st half (30%) + 2nd Half (40%) + Final Exam (30%) = Total (100%)**

**Grading**

1. “IE” means the student is ineligible to take the test if subject attendance

 is less than 80%

2. “I” means the student waits to be awarded grades due to 2 cases:

* 2.1 The student lacks more than 50% of assigned tasks
* 2.2 The student is absent from the final examination
* Both cases need to be allowed by the school administrator

3. Grades are given according to 8 levels

|  |  |  |
| --- | --- | --- |
| **Grade** | **Significance** | **Score Range** |
| **4** | Excellent | 80-100 |
| **3.5** | Very good | 75-79 |
| **3** | Good | 70-74 |
| **2.5** | Fairly good | 65-69 |
| **2** | Satisfactory | 60-64 |
| **1.5** | Rather Satisfactory | 55-59 |
| **1** | Passed | 50-54 |
| **0** | Poor/Failed | 0-49 |



**SCIENCE & TECHNOLOGY 1**

**-SC21101-**

**Semester 1 Academic Year 2021**

**Learning hours/week: 3 Number of Credits: 1.5**

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| --- |
| **By: Mr. Alon T. Mayormita** **CLASS AGREEMENT**1. The students should always have their Science textbook, notebook, and other important materials with them during regular classes.2. The students should finish and submit their classwork, homework, and project on time. Late submission is strictly deduction of score.3. The students should completely bring the required laboratory/field investigation materials during laboratory/field investigation activity.4. The students are recommended to bring their books at home and read or study it in advance particularly, understanding new vocabulary words.5. The students should participate during group work and pay attention during class lectures. THANK YOU… |
| Name: | Mr./Ms. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Surname: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Class: | EP 1/\_\_\_ | (M.1/\_\_\_\_\_) | Number \_\_\_ | Group \_\_\_\_\_\_\_\_\_\_\_ |

2

|  |
| --- |
| **Basic Education Core Curriculum B.E. 2551 (science)****Topic:** Introduction to Science **Strand 8:** Nature of Science and Technology**Standard SC8.1:** Application of scientific process and scientific mind in investigation for seeking knowledge and problem-solving; knowing that most natural phenomena assume definite patterns that are explainable and verifiable within limitations of data and instruments available during particular periods of time; and understanding that science, technology, society and the environment are interrelated.**Indicator:** M1/2. Make verifiable hypotheses and plan several methods for exploration and verification.**Topic:** Atoms, Elements, and Compounds**Strand 3:** Substances and Properties of Substances**Standard SC3.1:** Understanding of properties of substances; relationship between properties of substances and structures and binding forces between particles; investigative process for seeking knowledge and scientific mind; and communicating acquired knowledge for useful purposes **Indicators:** M1/1. Explore and explain components and properties of elements and compounds.M1/2. Search for data and compare properties of metallic, non-metallic semi metallic and nuclear elements and apply the knowledge gained for useful purposes.**Topic:** Cells as the Unit of Life, and Plants**Strand 1:** Living and Family **Standard SC1.1:** Understanding basic units of living things; relationship between structures an functions of living things, which are interlinked; investigative process for seeking knowledge; ability to communicate acquired knowledge that could be applied to one’s life and care for living things**Indicators:**M1/1. Observe and explain forms and characteristics of cells of unicellular and multicellular organisms.M1/2. Observe and compare essential components of plant and animal cells.M1/3. Experiment and explain functions of essential components of plant and animal cells.M1/4. Experiment and explain processes of passing substances through cells by diffusion and osmosis.M1/5. Experiment to find some factors essential for photosynthesis of plants, and explain that light, chlorophyll carbon dioxide and water are essential for photosynthesis.M1/6. Experiment and explain results obtained concerning photosynthesis by plants.M1/7. Explain importance of the photosynthesis process of plants on living things and the environment.M1/8. Experiment and explain groups of cells involved in transportation of water in plants.M1/9. Observe and explain structures of the systems for transportation of water and nutrients in plants.M1/10. Experiment and explain floral structures involved in plant reproduction.M1/11. Explain sexual reproduction processes of angiosperms and plant asexual reproduction processes by referring to various parts for propagation.M1/12. Experiment and explain responses of plants to light, water and touch.M1/13. Explain principles and effects of biotechnological application for propagation, improved breeding and increased productivity of plants, and apply acquired knowledge for useful purposes. |
| **Additional Information** |
| UNIT TEST:* Unit Test Total Score is 20

AVERAGE CLASSWORK: * It includes;
	+ short oral/writing participation
	+ small projects
	+ homework
	+ vocabulary and spelling
	+ quick lab
	+ question and answer of unit review

PROJECT:* It can be a group or individual project
* Usually takes several days to finish
* It may also include presentation
 |

REMINDERS:

* Please communicate also with your Thai Teacher for more clarification and explanation.
* Please do check our website regularly for daily updates.
* **sciencealon.weebly.com**
* Please keep this copy with you.