4

**Content Schedule and Assessment Scoring**

|  |  |  |  |
| --- | --- | --- | --- |
| **Content** | **Assessment** | **Total** | **Scores** |
| **1st Half** | **Before Mid-semester** |  | **30%** | **…. %** |
| May to July | Unit 1: Use of Scientific Tools and Skills in Learning How to Study ScienceUnit 2: Use of Scientific Tools and Skills in Learning Substances | Laboratory Activity Performance 1 | 10% | …. % |
| Laboratory Activity Performance 2 | 10% | …. % |
| Laboratory Project | 10% | …. % |
| **2nd Half** | **After Mid-semester** |  | **50 %** | **…. %** |
| July to September | Unit 3:Use of Scientific Tools and Skills in Learning CellsUnit 4:Use of Scientific Tools and Skills in Learning Plants | Laboratory Activity Performance 1 | 15% | …. % |
| Laboratory Activity Performance 2 | 15% | …. % |
| Laboratory Project | 10% | …. % |
| Participation and Conduct | 10% | …. % |
|  | **Final Exam (20 minutes)** | **20%** | **…. %** |
| **Total** | **100%** | **…. %** |

**\*1st Half (30%) + 2nd Half (50%) + Final Exam (20%) = 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 |



**PROBLEM SOLVING SKILLS 1**

**-SC21281-**

**Semester 1 Academic Year 2021**

**Learning hours/week: 2 Number of Credits: 1.0**

|  |
| --- |
| **By: Mr. Alon T. Mayormita** **CLASS AGREEMENT**1. The students should always have their Science workbook, notebook, and other important materials with them during the lab activity. 2. The students should finish and submit their laboratory work, 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 should be familiar with the safety symbols and follow the safety rules in the laboratory. 5. The students should participate during group work and pay attention during teacher’s demonstration in the laboratory. THANK YOU… |
| Name: | Mr./Ms. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Surname: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Class: | EP 1/\_\_\_ | (M.1/\_\_\_\_\_) | Number \_\_\_ | Group \_\_\_\_\_\_\_\_\_\_\_ |

2

|  |
| --- |
| **Basic Education Core Curriculum B.E. 2551 (science)****LEARNING OUTCOMES:** 1. Pose questions prescribing the issues or important variables for exploration and verification or conduct comprehensive and reliable study and research on matters of their interest.2. Make verifiable hypotheses and plan several methods for exploration and verification. 3. Select techniques and methods for quantitative and qualitative exploration and verification yielding accurate and safe results by using appropriate materials and equipment.4. Collect data and process it quantitatively and qualitatively.5. Analyze and evaluate conformity of eye-witnesses with the conclusions both supporting and contradicting the hypotheses and data abnormality from exploration and verification.6. Create models or formats explaining or showing results of exploration and verification.7. Pose questions leading to exploration and verification of relevant matters, and apply the knowledge gained in new situations or to explain the concepts, processes and results of the project or task for others to understand.8. Make a record and explain results of additional observation, exploration, verification and research from various sources of knowledge in order to obtain reliable data, and accept changes in the knowledge discovered when presented with new and additional data, eye-witnesses or contradictory data.9. Display their work, write reports and/or explain the concepts, processes and results of the project or task so that others can understand.**TOPIC OUTLINE:** 1. Use of Scientific Tools and Skills in Learning How to Study Science
2. Use of Scientific Tools and Skills in Learning Substances
3. Use of Scientific Tools and Skills in Learning Solutions
4. Use of Scientific Tools and Skills in Learning pH Solutions

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| **Additional Information** |
| LABORATORY ACTIVITY PERFORMANCE:* Bringing the required materials, following lab safety rules, procedures and experiments
* Watching the video of laboratory demonstration of experiments before or during the actual lab activity.
* Following the steps correctly
* Answering lab questions and making conclusions
* Participating with group works and submitting works on time

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

REMINDERS:

* Please communicate also with your Thai Science Teacher for more clarification and explanation.
* Please check our website regularly for daily updates in Science.

 sciencealon.weebly.com

* Kindly keep this paper copy with you.

*“To myself I am only a child playing on the beach, while vast oceans of truth lie undiscovered before me.”*

-Isaac Newton