



Course description

Subject: General Science 4

Code: SC14202

2 Periods / Week

2.0 Credits

Class: Primary 4A-B

Semester 1-2/2014

Instructor: Mr. Elbert, Ms Pornthip

Unit	Learning Outcomes
<p>1. Health and Nutrition</p> <ul style="list-style-type: none"><li>- five food groups</li><li>- The Healthy Food Pyramid</li><li>- Eating Appropriately</li><li>- Food Additives</li></ul>	<ol style="list-style-type: none"><li>1. Name food nutrients and explain how they benefit health</li><li>2. Talk about your body's energy requirements.</li></ol>
<p>2. The Solar system and light</p> <p>Energy</p> <ul style="list-style-type: none"><li>- Planets</li><li>- Phases of the moon</li></ul> <p>The telescope and its parts and uses.</p>	<ol style="list-style-type: none"><li>3. Talk about the solar system and its composition.</li><li>4. Name the nine planets of the solar system and talk about their basic characteristics</li><li>5. Describe difference between satellite Nature and Artificial satellite</li><li>6. Talk about and explain basic properties of light such as reflection refraction and absorbs colour.</li><li>7. Name and identify source of light</li><li>8. Talk about solar cells and name some applications.</li></ol>
<p>3. Living Plants</p> <ul style="list-style-type: none"><li>- Plant cell</li><li>- Plant need</li><li>- type of plant</li><li>- Photosynthesis</li></ul>	<ol style="list-style-type: none"><li>9. Tell about components of plant cells.</li><li>10. Experiment and explain function parts of plant.</li><li>11. Name and talk about the basic needs of plants.</li><li>12. Describe the process of photosynthesis.</li><li>13. Discuss the differences between plant groups.</li></ol>

Unit	Learning Outcomes
<p>4. Living animals</p> <ul style="list-style-type: none"> <li>-Animal cell</li> <li>-Animal need</li> <li>-classifying Animal</li> <li>-Endangered and Extinct Animals</li> </ul>	<p>14.Name and identify different components of animals cells name and talk about the basic needs of animals</p> <p>15.Classify animals as vertebrates or invertebrates</p> <p>16.Talk about, name and identify groups of vertebrates and invertebrates</p> <p>17.Talk about and name the stages of the life cycles of some animals</p> <p>18.Talk about and name animals which have become extinct</p> <p>19.Talk about the reasons why animals become extinct</p> <p>20.Name animals found in Thailand that are endangered or threatened</p> <p>21. Name ways people can help conserve and protect Animal.</p>
<p>5. About our Earth</p> <ul style="list-style-type: none"> <li>-Earth Structure And Processes</li> <li>- Rock Soil Fossils</li> </ul>	<p>22.Name and identify the different layers of the Earth talk about and name parts of a volcano</p> <p>23.Name and identify basic rock types</p> <p>24.Describe the rock cycle and its stages</p> <p>25.Talk about the ways people use rocks</p> <p>26.Name and describe different fossil types and their formation</p> <p>27.Describe the process of fossil fuel formation</p>

Measurement and Evaluation 1-2/2014

**Total 100 Marks (Assessment 60 Marks: Midterm test/ Final test 40 Marks)**

Measurement and Evaluation	Assessments/ Evaluation	Assessments tool	Marks	Learning Outcome
1.Pre –midterm	Observation, Asking and answering question Workbook	Assessments tool for Observation Asking and answering question Workbook	25	(Term1) Unit 1:1,2,3,4,5,6,7,8
				(Term2)Unit4: 14,15,16,17,18,19,20,21
2.Midterm	Midterm Examination	Midterm Exam	20	(Term1) Unit 1:1,2,3,4,5,6,7,8
				(Term2) Unit4: 14,15,16,17,18,19,20,21
3.Pre final	Observation, Asking and answering question Workbook	Assessments tool for Observation Asking and answering question Workbook	25	(Term1) Unit3:9,10,11,12,13
				(Term 2) Unit5: 22,23,24,25,26,27
4.Final	Final Examination	Final Exam	20	(Term1)Unit3: 9,10,11,12,13
				(Term 2) Unit5:22,23,24,25,26,27
5.Behavior	Participation, Behavior	Assessments tool for Behavior Observation	10	

Measurement and Evaluation	Assessments/ Evaluation	Assessments tool	Marks	Indicator/Outcome
6.Competencies	Communication Capacity, Thinking Capacity ,Problem solving capacity, Capacity for applying life skills and Capacity for technological application	Assessments tool for Observation Asking and answering question	-	-
7.Read/thinking	Science project	Assessments tool for Science Project	-	-

### คุณลักษณะอันพึงประสงค์ 10 ข้อ

1. รักษา ศาสน์ กษัตริย์
2. ซื่อสัตย์สุจริต
3. มีวินัย
4. ใฝ่เรียนรู้
5. อยู่อย่างพอเพียง
6. มุ่งมั่นในการทำงาน
7. รักความเป็นไทย
8. มีจิตสาธารณะ
9. ปลอดภัยเสพติดและอบายมุข
10. มีความเป็นผู้นำและกล้าแสดงออก

### สมรรถนะ 5 ข้อ

1. ความสามารถในการสื่อสาร
2. ความสามารถในการคิด
3. ความสามารถในการแก้ปัญหา
4. ความสามารถในการใช้ทักษะชีวิต
5. ความสามารถในการใช้เทคโนโลยี