



### Course Description

**Subject:** General Science 3

**Code:** SC 13202

**2 Periods / Week**

**2.0 Credits**

**Class:** Primary 3A-B

**Semester** 1-2/2014

**Instructor:** Mr. Elbert, Ms. Pornthip

Unit	Learning Outcomes
<p>1.life and environment</p> <ul style="list-style-type: none"> <li>- Traits</li> <li>- Genes</li> <li>- Observing traits</li> <li>- Living Things</li> <li>- habitat</li> <li>- ecosystem</li> <li>- natural resources</li> </ul>	<ol style="list-style-type: none"> <li>1. Tell how characteristics are passed on from parents to their offspring.</li> <li>2. Tell why some animals look like their parents when they are born and others do not.</li> <li>3. Tell how adaptations help animals to survive in their environment.</li> <li>4. List some causes of extinction.</li> <li>5. Describe endangered animals and provide examples of endangered animals in Thailand</li> <li>6. Group living organisms as producers, consumers and decomposers.</li> <li>7. Describe and differentiate between habitats and ecosystems.</li> </ol>
<p>2.Resources and Materials</p> <ul style="list-style-type: none"> <li>-Earth's Resources</li> <li>-Materials and Their Properties</li> <li>-Changing Matter</li> </ul>	<ol style="list-style-type: none"> <li>8. Describe and give examples of natural resources.</li> <li>9. Tell the difference between renewable and non-renewable resources.</li> <li>10. Tell why it is important to care for and conserve natural resources.</li> <li>11. Tell why it is important to know about the physical properties of materials.</li> <li>12. Explain how materials chosen for an object are suited to its use.</li> </ol>

<p>3. Forces and Motion</p> <ul style="list-style-type: none"> <li>- what is a force ?</li> <li>- what is a force ?</li> <li>- what forces can do?</li> <li>- Types of forces</li> <li>- The force of friction</li> </ul> <p>The force of gravity</p>	<p>13. Tell the difference about push and pull forces</p> <p>14. List the ways that a force can change the shape and motion of an object</p> <p>15. List the factors that affect how a force changes the motion of an object</p> <p>16. Describe friction and list examples of friction in everyday life</p> <p>17. List the factors that affect friction</p> <p>18. List ways and explain why people try to reduce or increase the amount of friction between objects</p> <p>19. Describe gravity and its effects on objects on Earth</p>
<p>4. Electricity Production and safety.</p> <ul style="list-style-type: none"> <li>- Electricity Production.</li> <li>- Using Electricity.</li> </ul>	<p>20. List sources of electricity.</p> <p>21. Tell about the different ways that electricity can be produced.</p> <p>22. List ways that people can reduce the amount of electricity they use.</p> <p>23. Understand the dangers of electricity and the importance of using electricity safely.</p>
<p>5. Water and air</p> <ul style="list-style-type: none"> <li>- Water on Earth</li> <li>- Water cycle</li> <li>- Air and the Atmosphere</li> </ul>	<p>24. List ways that people and other living organisms use water.</p> <p>25. Tell when freshwater and salt water are found on Earth.</p> <p>26. List ways that people can conserve and care for the Earth's water resources.</p> <p>27. Explain water cycle.</p> <p>28. Describe some of the basic properties of water.</p> <p>29. List the layers of the atmosphere.</p> <p>30. List the main gases found in air. describe some of the properties of air, including temperature, humidity, air pressure and wind</p>

Measurement and Evaluation

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

Measurement and Evaluation	Assessments/ Evaluation	Assessments tool	Marks	Standard: Learning Outcomes
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
				(Term2) Unit3 : 13,14,15,16,17,18,19
2.Midterm	Midterm Examination	Midterm Exam	20	(Term1) Unit 1:1,2,3,4,5,6,7
				(Term2) Unit3 13,14,15,16,17,18,19
3.Pre final	Observation, Asking and answering question Workbook	Assessments tool for Observation Asking and answering question Workbook	25	(Term1) Unit2: 8,9,10,11,12
				(Term 2) Unit4 and Unit 5  20,21,22,23,24,25,26,27,28,29,30
4.Final	Final Examination	Final Exam	20	(Term1) Unit2:8,9,10,11,12
				(Term 2) Unit4 and Unit 5  20,21,22,23,24,25,26,27,28,29, 30
5.Behavior	Participation, Behavior	Assessments tool for Behavior Observation	10	

6.Competencies	Observation	Assessments tool for Observation Asking and answering question	-	1.Communication Capacity 2. Thinking Capacity 3.Problem solving capacity 4.Capacity for applying life skills 5.Capacity for technological application
7.Read/thinking	Science project	Assessments tool for Science Project	-	-

### คุณลักษณะอันพึงประสงค์ 10 ข้อ

1. รักษาดี 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