



Course Description

Subject: General Science 6

Code: SC 16202

2 Periods /Week

2.0 Credits

Class: Primary 6A-B

Semester 1-2 /2014

Instructor: Ms. Devine, Mr. Jakkaphan

Unit	Standard	Learning outcomes
<p>1. Living and Family</p> <p>1.1 Human Growth</p> <p>1.2 Body Systems – Digestive, Respiratory and Circulatory Systems</p> <p>1.3 Nutrition</p>		<p>1. describe how cells , tissue and organs are organized in humans and animals</p> <p>2. describe the functions of the heart and the brain</p> <p>3. measure pulse and breathing rates and describe how they are affected by exercise</p> <p>4. describe the process of human growth and development from the time of conception to adulthood</p> <p>5. describe how medicines can help the body</p> <p>6. list some dangerous drugs and describe some of the ways they can harm the body</p>
<p>2. Life and the Environment</p> <p>2.1 Living Things in Their Habitats</p> <p>2.2 Food Chain and Food Web</p> <p>2.3 Living Things and the Environment</p> <p>2.4 Natural Resources</p> <p>2.5 Natural Resources Conservation</p>		<p>7. provide examples of ecosystems in nature</p> <p>8. describe the function of an energy pyramid and create one for a given ecosystem</p> <p>9. describe the different ways in which animals get the oxygen they need from air and water</p> <p>10. tell how an animal’s body and body parts are suit to how it moves</p> <p>11. describe and provide example of natural resources in Thailand</p> <p>12. explain the importance of using natural resources conservatively</p> <p>13. list ways to conserve natural resources and produce less waste</p>

Unit	Standard	Learning outcomes
3. Substances and Properties of Substances 3.1 States of Matter 3.2 Substances 3.3 Substances in Daily Life 3.4 Kinds of Substances 3.5 Substance and the Environment		20.list and describe the characteristics of the three states of matter 21.explain some of the ways in which mixtures can be separated , including , settling , sifting , filtration , evaporation and distillation
4.Energy 4.1 Simple Electrical Circuit 4.2 Electrical Conductors and Insulators 4.3 Origin of Magnetic Field and Electric Current		22.build series and parallel circuits by following a circuit diagram 23.build an electromagnet and tell how it is used
5.Change Processes of the Earth 5.1 Geological Disasters 5.2 Classification of Rocks(Local and ASEAN rocks)		24.describe the movement of the Earth and the resultant seasons experienced in some areas of the world 25.state the various ways in which people use rockets 26.list way in which space technology is used in everyday life

Assessment and Evaluation 1/2014

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

Assessment and Evaluation	Evaluation Method	Assessment Tools	Marks	Learning Outcomes
1. Pre-midterm	1.Observation, 2.Asking and answering questions 3.Workbook	1.Assessment tool for Observation Asking and answering questions 2.Workbook	25	1-6
2. Midterm	Examination	Test paper	20	No.1-6 No.7-13
3. Post-midterm	1.Observation, 2.Asking and answering questions 3.Workbook	1.Assessment tool for Observation Asking and answering questions 2.Workbook	25	No.7-13
4. Final	Examination	Test paper	20	No.7-13 No.14-19
5. Desirable Characteristics	1.Participation 2.Behavior	1.Assessment tool for Behavior observation	10	Desirable Characteristics 1-10

Assessment and Evaluation	Evaluation Method	Assessment Tools	Marks	Learning Outcomes
6. Competencies	1.Observation	1.Assessment tool for Observation Asking and answering questions	-	1.Communication capacity 2.Thinking capacity 3.Problem solving capacity 4.Capacity for applying life skills 5.Capacity for technological application
7. Read , analysis and write	1.Science Project	1.Assessment tool for science project	-	-

Assessment and Evaluation 2/2014

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

Assessment and Evaluation	Evaluation Method	Assessment Tools	Marks	Learning Outcomes
1. Pre-midterm	1.Observation, 2.Asking and answering questions 3.Workbook	1.Assessment tool for Observation Asking and answering questions 2.Workbook	25	No. 20-21
2. Midterm	Examination	Test paper	20	No. 20-21 No.22-23
3. Post-midterm	1.Observation, 2.Asking and answering questions 3.Workbook	1.Assessment tool for Observation Asking and answering questions 2.Workbook	25	No.22-23

Assessment and Evaluation	Evaluation Method	Assessment Tools	Marks	Learning Outcomes
4. Final	Examination	Test paper	20	No.22-23 No. 24-26
5. Desirable Characteristics	1.Participation, Behavior	1.Assessment tool for Behavior observation	10	Desirable Characteristics 1-10
6. Competencies	1.Observation	1.Assessment tool for Observation Asking and answering questions	-	1.Communication capacity 2.Thinking capacity 3.Problem solving capacity 4.Capacity for applying life skills 5.Capacity for technological application
7. Read , analysis and write	1.Science Project	1.Assessment 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