



Course Description

Subject: General Science 5

Code: SC 15202

2 Periods/Week

2.0 Credits

Class: Primary 5A-B

Semester 1-2 /2014

Instructor: Ms. Devine, Mr. Jakkaphan

Unit	Standard	Learning Outcomes
1: Reproduction and Diversity 1.1 Cell and Heredity 1.2 Plant classification and reproduction (Local and ASEAN plants, Botany, FSG(herbals)) 1.3 Animal classification and reproduction (Local and ASEAN animals) 1.4 Animal adaptations and responses		1. differentiate between plant and animal cells 2. talk about chromosomes, DNA, gene and trait and their role in heredity 3. tell how traits are passed from parents to their offspring 4. list some dominant and recessive traits 5. classify plants based on the characteristics they share 6. list different types of asexual and sexual reproduction in plants 7. state the different ways animals are classified 8. list the characteristics of the main invertebrate and vertebrate groups 9. list the different types of asexual reproduction in animals 10. tell how adaptations help animals to survive in their environment 11. list different types of animal responses
2. Materials and Matter 2.1 Properties and uses of Materials 2.2 All about matter		12. list materials that are commonly used by people 13. tell how the materials used to make objects are safe and suited to how they are used 14. measure and calculate the mass, volume and density of matter

Unit	Standard	Learning Outcomes
3. Force and Pressure 3.1 Force 3.2 Pressure 3.3 Buoyancy 3.4 Frictional force		15. describe balanced and unbalanced forces 16. quote the type of surface as a factor affecting friction between objects

Semester 2 /2014

Unit	Standard	Learning Outcomes
4. All about sound 4.1 High pitched and low-pitched sound 4.2 Loud and soft sound 4.3 Effects of excessive loud sounds.		17. Talk about some of the properties of sound, including amplitude and pitch. 18. List ways to protect your ears from loud sounds.
5. The sky and beyond 5.1 Clouds, mist, dew, rain and hail 5.2 Wind 5.3 Astronomy and Space		19. List and differentiate between the different types of precipitation. 20. Tell how wind forms and how it affects living things. 21. Describe the movement of the Earth and the alternation of day and night. 22. Describe the movements of stars in the sky.

Assessment and evaluation 1/2014

Total marks 100 marks (60 : 40)

Assessment and evaluation	Tasks/ Assignments	Assessment and evaluation (Tools)	Marks	Indicators / Outcomes
1. Pre-midterm	Observation, Asking and answering questions Workbook	Assessment tool for Observation Asking and answering questions Workbook	25	1-6
2. Midterm	Examination	Competencies	20	7-11
3. Post-midterm	Observation, Asking and answering questions Workbook,	Assessment tool for Observation Asking and answering questions Workbook,	25	12-14
4. Final	Examination	Competencies	20	15-16
5. Desirable Characteristics	Participation, Behavior	Assessment tool for Behavior observation	10	
6. Competencies	Communication capacity, Thinking capacity, Problem solving capacity, Capacity for applying life skills and Capacity for technological application	Assessment tool for Observation Asking and answering questions	-	
7. Read , analysis and write	Science Project	Assessment tool for science project	-	-

Assessment and evaluation 2/2014

Total marks 100 marks (60 : 40)

Assessment and evaluation	Tasks/ Assignments	Assessment and evaluation (Tools)	Marks	Indicators / Outcomes
1. Pre-midterm	Observation, Asking and answering questions Workbook	Assessment tool for Observation Asking and answering questions Workbook	25	17 - 19
2. Midterm	Midterm Examination	Midterm Exam	20	17 -19
3. Post-midterm	Observation, Asking and answering questions Workbook,	Assessment tool for Observation Asking and answering questions Workbook,	25	20 - 21
4. Final	Final Examination	Final Exam	20	21- 22
5. Desirable Characteristics	Participation, Behavior	Assessment tool for Behavior observation	10	
6. Competencies	Communication capacity, Thinking capacity, Problem solving capacity, Capacity for applying life skills and Capacity for technological application	Assessment tool for Observation Asking and answering questions	-	
7. Read , analysis and write	Science Project	Assessment tool for science project	-	20

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