



Course Description

Subject: Science 2

Code: SC 12101

3 Periods/Week

3.0 Credits

Class: Primary2A-B

Semester 1-2/2014

Instructor: Ms Maria, Ms. Supawadee

Unit	Standard	Indicators
1. Plants and Animals around us 1.1 Plants growth and response 1.2. Types of plants 1.3. Animals needs and responses 1.4 Animals and people	Sc. 1.1 Sc. 1.2	P.2/1 Understanding foundation of living beings, relationship Between structures and functions of various systems operation P.2/2 Understanding importance of heredity procedure and transfer, evolution of heredity procedure and transfer evolution of living beings
2. Materials , Magnets and Electricity 2.1 Properties of materials 2.2 Forces and magnets 2.3 Electricity	Sc.3.2 Sc.4.1 Sc.4.2 Sc.5.1	P.2/1 understanding nature and changing situation of matter ,matter solution, chemical reaction P.2/1 Understanding nature of force ,magnetic force P. 2/2 Various forms of natural object mobility ,skills in searching for knowledge procedure P.2/3 Understanding relationship between energy and living ,energy transformation ,matter and energy interaction ,result of energy utilization

Semester 2 / 2014

Unit	Standard	Indicators
3. Soil on Earth 3.1 Soil and its Uses	Sc.6.1	P.2/1 Understanding chains of natural happening within and Earth surface chains relationship which cause climatic changes, topography ,and earth worm ,skills in search of knowledge procedures
4. Healthy living 4.1 The human body and health	Sc.2.1 Sc.2.2 Sc.8.1	P.2/1 Understanding local environment , relationship between living being and environment and among all living beings in ecological systems P.2/2 Understanding importance of natural resources, utilization of resources at local, national and international spheres ,application of knowledge in sustainable management of natural resources and local environment. P 2/3 Application of science consciousness in searching for knowledge problem solving, understanding fixed forms of majority of natural phenomena which can be investigated and explained

Measurement and Evaluation 1/2014

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

Semester 1 / 2014				
Measurement and Evaluation	Evaluation Method	Assessment Tool	Marks	Indicators
1. Pre – midterm	1. Quiz 2. Dictation 3. Project	1. Quiz’s paper 2. Dictation ‘s book 3. Project	10 5 10	Unit1 Plants and Animals around us SC1.1 P.2/1 SC 1.2 P2/2
2. Midterm	Examination	Test paper	20	Unit 1 1.3 Animals needs and responses SC 1.,4 P.2/2
3. Post – midterm	1. Quiz 2. Dictation 3. Project	1. Quiz’s paper 2. Dictation ‘s book 3. Project	10 5 10	Unit 2 Materials , Magnets and Electricity SC 2.1 P.2/2
4. Final	Examination	Test paper	20	Unit 2.2 Forces and magnets 2.3 Electricity
5. Characteristic	Behavior Effort Preparation	Observation Tool	10	Characteristic No.1-10
6. Competencies	Observation	Observation Tool	-	Competencies 1-5
7. Analytical reading and writing	Examination	Exercises book		

Semester 2/2014

Measurement and Evaluation

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

Measurement and Evaluation	Evaluation Method	Assessment Tool	Marks	Indicators
1. Pre – midterm	1. Quiz	1. Quiz’s paper	10	Unit 3 Soil on Earth
	2. Dictation	2. Dictation ‘s book	5	3.1 Soil and its Uses
	3. Project	3. Project	10	
2. Midterm	Test	Test	20	3.1 Soil and its Uses
3. Post – midterm	1. Quiz	1. Quiz’s paper	10	Unit 4 Healthy living
	2. Dictation	2. Dictation ‘s book	5	4.1 The human body
	3. Project	3. Project	10	and health
4. Final	Examination	Test paper	20	4.1 The human body and health
5. Characteristic	Behavior Effort Preparation	Observation Tool	10	Characteristic No.1-10
6. Competencies	Observation	Observation Tool	-	Competencies 1-5
7. Analytical reading and writing	Examination	Exercises book	-	

คุณลักษณะอันพึงประสงค์ 10 ข้อ

1. รักชาติ 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

