



Course Description

Subject: Science 5

Code: SC 15101

3 Periods/Week

3.0 Credits

Class: Primary 5A-B

Semester 1-2 /2014

Instructor: Ms. Devine, Mr. Jakkaphan

Unit	Standard	Indicators
1. Nature of Science and Technology 1.1 Scientific Methods	SC 8.1	<p>P.5/1 Pose questions about the issues, matters or situations to be studied as prescribed and accord with their interests.</p> <p>P.5/2 Plan for observation and propose methods for exploration, verification and study and research and form expectations of what is to be found from the exploration and verification.</p> <p>P.5/3 Select and accurate and appropriate instruments for exploration and verification in order obtain reliable data.</p> <p>P.5/4 Make a record of quantitative and qualitative data, verify results with expectations, and present results and conclusions.</p> <p>P.5/5 Pose a new questions for subsequent exploration and verification.</p> <p>P.5/6 Freely express opinions, explanations, and conclusions about what is being learned.</p> <p>P.5/7 Make a record and explain results of the exploration and verification based on the real situations and references.</p> <p>P.5/8 Present and display their work through verbal and written presentations to explain the processes and results so that others can understand.</p>
2: Reproduction and Diversity 2.1 Cell and Heredity 2.2 Plant classification and reproduction (Local and ASEAN plants , Botany, FSG(herbals)) 2.3 Animal classification and reproduction (Local and ASEAN animals) 2.4 Animal adaptations and responses	SC 1.1	<p>P.5/1 Observe and specify components of flowers and structures involved in reproduction of angiosperms.</p> <p>P.5/2 Explain reproduction of flowers, plants, plant propagation and apply acquired knowledge for useful purposes.</p> <p>P.5/3 Explain the life cycles of some kinds of angiosperms.</p> <p>P.5/4 Explain animal reproduction and propagation.</p> <p>P.5/5 Explain the life cycles of some kinds of animals and acquired knowledge for useful purposes.</p>

Measurement and Evaluation 1/2014

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

Measurement and Evaluation	Evaluation Method	Assessment Tools	Marks	Indicators
1. Pre-midterm	1.Observation 2. Asking and answering questions 3.Workbook	1.Assessment tool for Observation 2. Asking and answering questions 3.Workbook	25	SC 8.1:P. 5/1,- P.5/8 ,
2. Midterm	Examination	Test Paper	20	SC 5.1:P.5/3 , P.5/4
3. Post-midterm	1.Observation 2.Asking and answering questions 3.Workbook	1.Assessment tool for Observation 2. Asking and answering questions 3.Workbook,	25	SC 6.1:P.5/1 , P.5/2
4. Final	Examination	Test Paper	20	SC 6.1:P.5/3 , P.5/4 SC 7:P.5/1
5. Desirable Characteristics	1.Participation Behavior	1.Assessment tool for Behavior observation	10	

Measurement and Evaluation	Evaluation Method	Assessment Tools	Marks	Indicators
6. Competencies	1.Observation	1.Assessment tool for Observation 2. 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	-	-

Measurement and Evaluation 2/2014

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

Measurement and Evaluation	Evaluation Method	Assessment Tools	Marks	Indicators
1. Pre-midterm	1.Observation 2.Asking and answering questions 3.Workbook	1.Assessment tool for Observation 2.Asking and answering questions 3.Workbook	25	SC1.1:P. 5/1, P.5/2 , P.5/3, P.5/4 ,P.5/5
2. Midterm	1.Examination	1.Test Paper	20	SC 1.2:P. 5/1, P.5/2 , P.5/3, P.5/4 , P.5/5
3. Post-midterm	1.Observation 2.Asking and answering questions 3.Workbook,	1.Assessment tool for Observation 2.Asking and answering questions 3.Workbook,	25	SC 3.1:P. 5/1, P.5/2
4. Final	Examination	Test Paper	20	SC 4.1: P. 5/1, P.5/2 , P.5/3, P.5/4 SC 4.2:P. 5/1
5. Desirable Characteristics	1.Participation, Behavior	1.Assessment tool for Behavior observation	10	

Measurement and Evaluation	Evaluation Method	Assessment Tools	Marks	Indicators
6. Competencies	1.Observation	1.Assessment tool for Observation 2. 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

