

# Course Outline

Department: Bilingual Department    Name of Subject : Science in English    Code : 12201

Teacher's name : Celso Carmel R. Artezuela    Level: 3

☐ Primary .../.....

☐ Secondary .../.....

1<sup>st</sup> - 2<sup>nd</sup> Semester / 2014

Subject :

☐ Main Subject

☒ Optional Subject

☐ Development Activities for Students

☐ Others

## 1) Course Description

Science in English is a course expected to cover many basic subjects in Science using English as the medium of instruction. The subjects covered in the course developed for Primary 3 include 6 major topics and 16 minor topics. The course follows an activity-based, graded approach for development of concepts. They aim to develop scientific attitude in children by stimulating the thinking process, laying emphasis on applications of principles learnt and their relevance to daily life, and focusing on developing observational and experimental skills.

## 2) Grade-Level Indicators (The Basic Education Core Curriculum)

1. Identifying non-living things that were once alive and that were never alive.
2. Differentiate the types of living things.
3. List the various types of materials and establish the relationship between the properties of things and their uses.
4. Discover that different organisms have different life cycles.
5. Identify the parts of the plant and state their functions.
6. Identify the different systems and state their functions.

## 3) Learning Objectives ( 1<sup>st</sup> Semester )

Indicators of Semester	In accordance with government curriculum
1. Identifying non-living things that were once alive and that were never alive.	
2. Differentiate the types of living things.	
3. List the various types of materials and establish the relationship between the properties of things and their uses.	

4) Analyze the course description to be the contents for teaching. ( 1<sup>st</sup> Semester )

Contents (Strand)/ Standards	Indicators	Units of learning / Amounts of Periods	Teaching Materials	How to Evaluate		Maximum marks
				Evaluations	Tools	
	1. Identifying non-living things that were once alive and that were never alive.	<b>Unit : 1 Living and Non-living things (10 Periods)</b> <ul style="list-style-type: none"> <li>- Basic needs of living things</li> <li>- Characteristics of living things</li> </ul>	1. textbook 2. worksheet 4. pictures 5. test	1. oral recitation 2. board work 3. do the activities in the book 4. do the test	1. questions 2. practical test 3. textbook 4. worksheet	30
	2. Differentiate the types of living things.	<b>Unit 2 : Different types of living things (10 Periods)</b> <ul style="list-style-type: none"> <li>- Characteristics of plants, animals, fungi and micro-organisms</li> </ul>	1. Textbook 2. Pictures 3. worksheet 4. test	1. oral recitation 2. do the activities in the book 3. do the test	1. questions 2. text book 3. worksheet	20

		- Classification of plants, animals				
	3. List the various types of materials and establish the relationship between the properties of things and their uses.	Unit 3 : Materials (10 Periods) - Types of materials - Physical properties of materials	1. realia 2. textbook 3. worksheet 4. test 5. pictures	1. oral recitation 2. do the activities in the book 3. do the test	1. questions 2. textbook 3. worksheet	30

## 5) Contents of subjects

### 1<sup>st</sup> Semester

Time Duration	Subject Contents
Beginning of the session – Mid-term	- Living and Non-living things - Different types of living things
Post – Midterm – Final	- Materials

## 6) Evaluation

Average marks for evaluation

Authentic Assessment: Written / Practical Exam = 60 : 40

(Depend on each Subject)

### Evaluation of Learning Objectives

Semester	Learning Objectives (Items)
1	1, 2, 3

### 7) Details of Evaluation

1<sup>st</sup> Semester/2014

Pre-test marks: 30 Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
1	- Relevant exercise in the textbook	15
2	- Relevant exercise in the textbook	15

Mid-term marks: 20 Marks (Written/Practical Exam)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
1	- Multiple choice	10
2	- Multiple choice	10

Post-Test marks : 30 Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
3	- Relevant exercise in the textbook	15

	- Worksheet	15
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Portfolio : Marks

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
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Final marks : 20 Marks (Written/Practical Exam)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
3	- Multiple Choice	20

2<sup>nd</sup> Semester/2014

Learning Objectives ( 2nd Semester )

Indicators of Semester	In accordance with government curriculum
4. Discover that different organisms have different life cycles.	
5. Identify the parts of the plant and state their functions.	
6. Identify the different systems and state their functions.	

4) Analyze the course description to be the contents for teaching. ( 1<sup>st</sup> Semester )

Contents (Strand)/ Standards	Indicators	Units of learning / Amounts of Periods	Teaching Materials	How to Evaluate		Maximum marks
				Evaluations	Tools	

	4. Discover that different organisms have different life cycles.	<b>Unit : 4 Life cycle of plants and animals (10 Periods)</b> <ul style="list-style-type: none"> <li>- Life cycle of animals</li> <li>- Life cycle of plants</li> </ul>	1. textbook 2. worksheet 4. pictures 5. test	1. oral recitation 2. board work 3. do the activities in the book 4. do the test	1. questions 2. practical test 3. textbook 4. worksheet	30
	5. Identify the parts of the plant and state their functions.	Unit 5: Plant and Animal Systems (10 Periods) <ul style="list-style-type: none"> <li>- Plant systems</li> <li>- Animal systems</li> </ul>	1. Textbook 2. Pictures 3. worksheet 4. test	1. oral recitation 2. do the activities in the book 3. do the test	1. questions 2. text book 3. worksheet	20

	6. Identify the different systems and state their functions.	Unit 6: Our Body Systems (10 Periods) <ul style="list-style-type: none"> <li>- The digestive system</li> <li>- The skeletal system</li> <li>- The muscular system</li> </ul>	1. textbook 2. worksheet 3. test 4. pictures	1. oral recitation 2. do the activities in the book 3. do the test	1. questions 2. textbook 3. worksheet	30
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#### Contents of subjects

##### 2<sup>nd</sup> Semester

Time Duration	Subject Contents
Beginning of the session – Mid-term	<ul style="list-style-type: none"> <li>- Life Cycle of Plants and Animals</li> <li>- Plant and Animal Systems</li> </ul>
Post – Midterm – Final	<ul style="list-style-type: none"> <li>- Our Body Systems</li> </ul>

#### Evaluation

Average marks for evaluation

Authentic Assessment: Written / Practical Exam = 60 : 40

(Depend on each Subject)

### Evaluation of Learning Objectives

Semester	Learning Objectives (Items)
2	4,5,6

### Details of Evaluation

Pre-test marks: 30 Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
4	- Relevant exercises in the book	15
5	- Relevant exercises in the book	15

Mid-term marks : 20 Marks (Written/Practical Exam)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
5	- Multiple choice	10
5	- Multiple choice	10

Post-Test marks : 30 Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
6	- Relevant exercises in the book	15
	- worksheet	15

Portfolio : ..... Marks

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
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Final marks : 20 Marks (Written/Practical Exam)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
6	- Multiple Choice	20