

Course Outline

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

Teacher's name : Celso Carmel R. Artezuela Level: 2

Primary .../.....

Secondary .../.....

1st - 2nd 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 2 include 7 major topics and 23 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. Identify the different parts of plants and state their functions.
2. Identify the plants and animals in different land and water habitat.
3. Name the parts that help us breathe, digest and circulate blood.
4. List the various types of materials and establish the relationship between the properties of things and their uses.
5. Recognize that an object can be seen when it reflects light or when it is a source of light.
6. Identify the different types of sounds, e.g. soft or loud, low or high.
7. Identify the characteristics of magnets.

3) Learning Objectives (1st Semester)

Indicators of Semester	In accordance with government curriculum
1. Identify the different parts of plants and state their functions.
2. Identify the plants and animals in different land and water habitat.
3. Name the parts that help us breathe, digest and circulate blood.
4. 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. (1st Semester)

Contents (Strand)/ Standards	Indicators	Units of learning / Amounts of Periods	Teaching Materials	How to Evaluate		Maximum marks
				Evaluations	Tools	
	1. Identify the different of parts plants	Unit : 1 Plant Life (10 Periods) - Parts of the plant. (the roots, the	1. textbook 2. worksheet 3. realia 4. pictures	1. oral recitation 2. board work	1. questions 2. practical test 3. textbook	30

	and state their functions.	stem, the leaf, the flower, the fruit and the seed) - How does a plant make food	5. test	3. do the activities in the book 4. do the test	4. worksheet	
	2. Identify the plants and animals in different land and water habitat	Unit 2 : Habitats (10 Periods) - Land Habitats - Water Habitats	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
	3. Name the parts that help us breathe, digest and circulate blood.	Unit 3 : The Human Body (10 Periods) - The sense organs - Organs and systems - The respiratory system - The digestive system - The circulatory system - The skeleton and muscles	1. video 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
	4. List the various types of materials and establish the relationship between the	Unit 4: Materials - Types of materials	1. textbook 2. worksheet 3. realia 4. pictures	1. oral recitation 2. do the activities in the book 3. do the test	1. questions 2. textbook 3. worksheet	20

properties of things and their uses.						
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5) Contents of subjects

1st Semester

Time Duration	Subject Contents
Beginning of the session – Mid-term	<ul style="list-style-type: none"> - The Plant Life (The Root, The Stem, The Leaf, How does a plant make food?, Flowers, Fruits and Seeds) - Habitat (What is Habitat?, Land Habitats and Water Habitats)
Post – Midterm – Final	<ul style="list-style-type: none"> - The Human Body (Organs and Systems, The respiratory system, the digestive system, the circulatory system, the skeleton and muscles) - The Materials (Types of 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, 4

7) Details of Evaluation

1st Semester/2014

Pre-test marks: 30 Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
1	- Exercise on pages 12,13,14,15 of the textbook	15
2	- Exercise on pages 27, 28, 29, 30 of 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	- Exercise on pages 35,41,42,43,44 of the textbook	15
4	- Exercise on pages 52,56,60,62,65,66 of the textbook	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
3	- Multiple Choice	10
4	- Multiple Choice	10

2nd Semester/2014

Learning Objectives (2nd Semester)

Indicators of Semester	In accordance with government curriculum
5. Recognize that an object can be seen when it is reflected by the light or when it is a source of light.
6. Identify the different types of sounds, e.g. soft or loud, low or high.
7. Identify the characteristics of magnets.

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

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

	<p>5. Recognize that an object can be seen when it is reflected by the light or when it is the source of light.</p>	<p>Unit : 5 Light (10 Periods)</p> <ul style="list-style-type: none"> - Sources of light - Plants need light - Light gives us food! - How does light travel? - Shadows 	<ol style="list-style-type: none"> 1. textbook 2. worksheet 3. realia 4. pictures 5. test 	<ol style="list-style-type: none"> 1. oral recitation 2. board work 3. do the activities in the book 4. do the test 	<ol style="list-style-type: none"> 1. questions 2. practical test 3. textbook 4. worksheet 	<p>30</p>
	<p>6. Identify the different types of sounds, e.g. soft or loud, low or high.</p>	<p>Unit 6 : Sound (10 Periods)</p> <ul style="list-style-type: none"> - Different sounds - Sounds we make - Sounds animal make - Sounds of nature - Musical sounds - Making sounds - Using sounds 	<ol style="list-style-type: none"> 1. Textbook 2. Pictures 3. worksheet 4. test 	<ol style="list-style-type: none"> 1. oral recitation 2. do the activities in the book 3. do the test 	<ol style="list-style-type: none"> 1. questions 2. text book 3. worksheet 	<p>20</p>
	<p>7. Identify the characteristics of magnets</p>	<p>Unit 7 : Magnets (10 Periods)</p> <ul style="list-style-type: none"> - Pole of a magnet - Direction property of a magnet - Attraction and repulsion - Making magnets - Uses of magnets - The skeleton and muscles 	<ol style="list-style-type: none"> 1. textbook 2. worksheet 3. test 4. pictures 	<ol style="list-style-type: none"> 1. oral recitation 2. do the activities in the book 3. do the test 	<ol style="list-style-type: none"> 1. questions 2. textbook 3. worksheet 	<p>30</p>

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Contents of subjects

2nd Semester

Time Duration	Subject Contents
Beginning of the session – Mid-term	- Light - Sound
Post – Midterm – Final	- Magnets

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	5, 6, 7

Details of Evaluation

Pre-test marks: 30 Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks

5	- Exercise on pages 78,80,81,82,83,84 of the textbook	15
6	- Exercise on pages 100,101,102,103 of the textbook	15

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

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

Post-Test marks : 30 Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
7	- Exercise on pages 106,109,114,115,116,117 of the textbook	30

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
7	- Multiple Choice	20

