

Course Outline

Department: BILINGUAL DEPARTMENT

Name of Subject: SCIENCE IN ENGLISH

Code: 3 21201

Teacher's Name: MS. TERESITA CALOY CANDELARIA

Level :

☐ Primary .../.....

☒ Secondary: 1 / 1 - 5

1st Semester: 2014

Subject :

☐ Main Subject

☒ Optional Subject

☐ Development Activities for Students

☐ Others

1) Course Description (1st Semester)

The Science in English for Secondary One Course aims to follow a study of Physical Sciences. The course includes the use of the main text book “MY WORLD OF SCIENCE FOR SECONDARY I” which contains Science and Technology; Classifications of Matter; Elements and Compounds; Mixtures; Solutions and Suspensions; Acids and Alkalis. These topics follow an activity – based, graded approach for development of concepts and involve classroom discussions and lectures, reading and writing comprehension, pronunciation and speaking through graded recitations, experiments, quizzes, and major test evaluations.

2) Learning Objectives (1st Semester)

Indicators of Semester	In accordance with government curriculum
1. To define science and technology, identify their importance and examples.	
2. To identify the classifications, properties and uses of matter and materials.	
3. To define and differentiate elements and compounds.	
4. To evaluate individual learning through practical and midterm tests.	
5. To define and identify the properties of mixtures.	
6. To define and identify solutions and suspensions.	
7. To define and differentiate acids and alkalis.	
8. To evaluate individual learning through practical and final written tests.	

3) Contents of subjects: 1st Semester

Time Duration	Subject Contents
Beginning of the session – Mid-term	1. Science and technology. 2. Classifications, properties and uses of matter and materials. 3. Elements and compounds. 4. Practical and midterm tests.
Post – Midterm – Final	5. Properties of mixtures. 6. Solutions and suspensions. 7. Acids and alkalis. 8. Practical and final written tests.

4) Evaluation

Average marks for evaluation

Authentic Assessment: Written / Practical Exam = 60 : 40

Evaluation of Learning Objectives

Semester	Learning Objectives (Items)
1	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8

5) Details of Evaluation

1st Semester/2014

Pre-test marks: 30 Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
1	9. Book and Notebook (seatwork, homework) and Graded Recitations	10
2	10. Multiple Choice and Fill in the Blanks Quizzes	10
3	11. Drawings or Illustrations (Project)	10

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

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
4	12. Practical and Written Midterm Tests based on the topics taught.	20

Post-Test marks: 30 Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
5	13. Book and Notebook (seatwork, homework) and Graded Recitations	10
6	14. Multiple Choice and Fill in the Blanks Quizzes	10
7	15. Illustrations or Illustrations (Project)	10

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
8	16. Practical and Written Final Tests based on the topics taught.	20

Course Outline

Department: BILINGUAL DEPARTMENT

Name of Subject: SCIENCE IN ENGLISH

Code: 1 21202

Teacher’s Name: MS. TERESITA CALOY CANDELARIA

Level :

☐ Primary .../.....

☒ Secondary: 1 / 1 - 5

2nd Semester: 2014

Subject :

☐ Main Subject

☒ Optional Subject

☐ Development Activities for Students

☐ Others

1) Course Description (2nd Semester)

The Science in English for Secondary One (Mathayom One) Course follows a partial study of Biological and Physical Sciences. The course includes the use of the main text book “MY WORLD OF SCIENCE FOR SECONDARY I” which contains The Cell – Unit of Life; Organization in Living Things; Transport in Living Things; Photosynthesis and Respiration, Heat Energy and Transfer of Heat Energy.

These topics follow an activity –based and interactive approach for development of concepts which involve classroom discussions and lectures, reading and writing comprehension, pronunciation and speaking through graded recitations, experiments, quizzes, and major tests evaluations.

2) Learning Objectives (2nd Semester)

Indicators of Semester	Accordance with governmental Curriculums
9. To define cell and identify its structure, shapes and sizes; and define microscope and identify its parts and functions.	
10. To identify the organization of living things.	
11. To identify the transport in living things.	
12. To evaluate learning through practical & midterm tests.	
13. To differentiate photosynthesis and respiration.	
14. To identify the nature of heat and its effects.	
15. To identify the effects and transfer of heat energy.	
16. evaluate learning through practical & final written tests.	

3) Contents of subjects: 2nd Semester

Time Duration	Subject Contents
Beginning of the session – Mid-term	17. Organization of living things. 18. Transport in living things. 19. Cell and microscope, their shapes, sizes and parts respectively. 20. Practical and written Midterm Tests
Post – Midterm – Final	21. Photosynthesis and respiration. 22. Nature of heat and its effects. 23. Transfer of heat energy. 24. Practical & final written tests.

4) Evaluation

Average marks for evaluation

Authentic Assessment: Written / Practical Exam = 60 : 40

Evaluation of Learning Objectives

Semester	Learning Objectives (Items)
2	9, 10, 11, 12, 13, 14, 15, 16

5) Details of Evaluation

2nd Semester/2014

Pre-test marks: 30 Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
9	25. Book and Notebook (seatwork, homework) and Graded Recitations	10
10	26. Multiple Choice and Fill in the Blanks Quizzes	10
11	27. Drawings or Illustrations (Project)	10

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

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
12	28. Practical and Written Midterm Tests based on the topics taught.	20

Post-Test marks: 30 Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
13	29. Book and Notebook (seatwork, homework) and Graded Recitations	10
14	30. Multiple Choice and Fill in the Blanks Quizzes	10
15	31. Drawings or Illustrations (Project)	10

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
16	32. Practical and Written Final Tests based on the topics taught.	20

References:

- 1. My World of Science for Secondary I, by Vandana Tirath, et al.
- 2. Science and Technology 1, by Gloria Salandanan, et al.
- 2. Focus Science 1, by Chang See Leong, et al.
- 3. Exploring Science 1, by Mark Levesley, et al.
- 4. Modern Biology

Web – site resources for students / teachers:

- 1. www.google.com (Science & Technology and Biology)

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