

# Course Outline

Department: Bilingual Department      Name of Subject: Science in English      Code: 1 22201

Teacher’s Name: Mrs. Teresita Caloy Candelaria

Level:

☐ Primary     /          ☒ Secondary : 2 / 1 – 5      1<sup>st</sup> Semester: 2014

Subject :

☐ Main Subject      ☒ Optional Subject      ☐ Development Activities for Students      ☐ Others

1) Course Description ( 1<sup>st</sup> Semester )

The Science in English for Secondary Two Course aims to follow a partial study of Physical and Biological Sciences. The course includes the use of the main text book “MY WORLD OF SCIENCE FOR SECONDARY 2” which contains Solving Problems in Science; The Particulate Model of Matter; Atoms, Molecule and Ions; Digestion; and Circulatory System. 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 ( 1<sup>st</sup> Semester )

Indicators of Semester	In accordance with government curriculum
1. To define problem and identify the steps in problem solving in science.	
2. To define and identify the particulate model of matter.	
3. To define and differentiate atoms, molecules and ions respectively.	
<b>4. To evaluate the students’ learning through practical and written midterm tests.</b>	
5. To define chemical formula and identify the commonly used chemical formula.	
6. To identify the structure of digestive system and the process of digestion and nutrition.	
7. To identify the structure and functions of circulatory system.	
<b>8. To evaluate the students’ learning through practical and written final tests.</b>	

3) Contents of subjects: 1<sup>st</sup> Semester

Time Duration	Subject Contents
Beginning of the session – Mid-term	1. Problem solving in science. 2. Particulate model of matter. 3. Atoms and molecules. <b>4. Practical and written midterm tests</b>
Post – Midterm – Final	5. Chemical formula. 6. Process of digestion and nutrition. 7. Parts of circulatory system <b>8. Practical and written final tests.</b>

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

1<sup>st</sup> 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
.....	.....	.....

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: 2 22202

Teacher’s Name: Mrs. Teresita Caloy Candelaria

Level:

☐ Primary     /          ☒ Secondary : 2 / 1 – 5      2<sup>nd</sup> Semester: 2014

Subject :

☐ Main Subject      ☒ Optional Subject      ☐ Development Activities for Students      ☐ Others

1) Course Description: (2<sup>nd</sup> Semester )

The Science in English for Secondary Two ( Mathayom Two ) course contains a partial study of General – Physical Sciences. It aims to broaden the knowledge of ACR Mathayom Two students about the meaning and concepts of General and Physical Sciences in the language of English using the text book MY World of Science for Secondary Two. The topics are Reproduction, Light and Colours, Sound and Ecology.

These lessons involve classroom discussions and lectures, reading and writing comprehension, pronunciation and speaking through graded recitations, experiments, quizzes, and major test evaluations.

2) Learning Objectives (2<sup>nd</sup> Semester )

Indicators of Semester	Accordance with governmental Curriculums
9. To define reproduction and identify the characteristics of puberty.	
10. To identify the parts of male and female reproductive systems.	
11. To define light and identify the effects of light and colours.	
12. To evaluate the students’ learning through practical and midterm tests.	
13. To define sound and identify its kinds, importance and effects.	
14. To define ecology and identify its characteristics.	
15. To define and identify physical environment and its importance.	
16. To evaluate the students’ learning through practical and written final tests.	

3) Contents of subjects

2<sup>nd</sup> Semester

Time Duration	Subject Contents
Beginning of the session – Mid-term	17. Reproduction 18. Light and Colours 19. Practical and Written Midterm Tests
Post – Midterm – Final	20. Sound 21. Ecology 22. Practical and Written Final 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

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

Pre-test marks: 30 Marks (Authentic Assessment)

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

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

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
12	20. 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	21. Book and Notebook ( seatwork, homework ) and Graded Recitations	10
14	22. Multiple Choice and Fill in the Blanks Quizzes	10
15	23. Drawings or Illustrations ( Project )	10

Portfolio:       ..... Marks

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
.....	.....	.....

Final marks:   20   Marks (Written/Practical Exam)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
16	24. 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](http://www.google.com) ( Science & Technology and Biology )

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ACR Bilingual Program  
May – June 2014