



Course Descriptors  
2019 - 2020  
Semester 2

Biology  
Mathayom 6



## EIP Mathayom Course Description Second Year

Subject: Core Biology  
Grade: Mathayom 6  
Periods: 4

Department: Science  
Course Code: SC32245  
Credit: 2

### Course Material:

*Modern Biology, Holt, Rinehart and Winston*

### Course Description:

The third year of the Core Biology Course will fill in any gaps and create a whole understanding of Life Sciences. This course will explain the relationships between everything that was studied during the first two years of Core Biology.

This biology course is an elective optional course for students wishing to pursue science-based careers after graduation. Sections of the previous years will also be covered in significantly more detail than previously. This course will prepare students for lecture-style university courses and gain a more in-depth knowledge of Biology. This second semester will be more research/theory based and allow the students to think like scientists in order to explore the implications of the human body and its connection to medicine.

### Course Objectives:

1. Explore the relationship between plant life and generations of living organisms
2. Identify the principles of evolution and how that has affected biodiversity
3. Draw a connection between two core Sciences: Biology and Chemistry



EIP Mathayom Course Outline  
Second Semester

**Unit 4 – Evolution**

*Chapter 14 – History of Life*

- Biogenesis p 279
- Earth's History p 282
- The First Life-Forms p 287

*Chapter 15 – Theory of Evolution*

- History of Evolutionary Thought p 297
- Evidence of Evolution p 302
- Evolution in Action p 308

**Unit N/A – Introduction to Biochemistry**

*No book – Biochemistry*

- Cells
- Proteins
- Carbohydrates
- Lipids
- Proteins
- Nucleic Acids



EIP Mathayom Evaluation and Grading  
Second Semester

**Breakdown of Grades**

Criteria	1 <sup>st</sup> quarter	2 <sup>nd</sup> quarter	Total
Homework	5%	5%	10%
Participation	5%	5%	10%
Behavior	5%	5%	10%
Labs/Group Work	5%	5%	10%
Tests/Quizzes	20%	20%	40%
Final Examination		20%	20%
Total	40%	60%	100%