



Course Descriptors
2019 - 2020
Semester 1

General Science
Mathayom 5



EIP Mathayom Course Description Second Year

Subject: General Science
Grade: Mathayom 5
Periods: 2

Department: Science
Course Code: SC32106
Credit: 1.5

Course Material:

Modern Biology, *Holt, Rinehart and Winston*

Course Description:

The second year of General Science will focus on Environmental Science and also the role that Humans play on Earth. The students' engagement in the classroom will consist mainly of project-based learning tools and methods in order to facilitate open questioning and hands-on understanding.

The course will begin with a look into what makes this planet thrive in terms of the life that inhabits it. Students will learn about what keeps a healthy Biome functioning and then later understand the interaction between species in a biome. This will lead the students into knowledge about Humans as a species, how they interact with each other and how they have affected the life on Earth as well as the Earth, herself. The last section will cover Pollution and how to solve current issues.



EIP Mathayom Course Outline
First Semester

Unit 5 – Ecology

Chapter 18: Introduction to Ecology

- Introduction to Ecology p 359
- Ecology of Organisms p 363
- Energy Transfer P 366
- Ecosystem Recycling P 371

Chapter 19: Populations

- Understanding Populations p 381
- Measuring Populations p 385
- Human Population Growth p 390

Chapter 20: Community Ecology

- Species Interactions p 399
- Patterns in Communities p 405

Chapter 22: Humans and the Environment

- An Interconnected Planet p 435
- Environmental Issues p 440
- Environmental Solutions p 446



EIP Mathayom Evaluation and Grading
First Semester

Breakdown of Grades

Criteria	1 st quarter	2 nd 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%