



**SYLLABUS 2022-2023**  
SECONDARY SCHOOL  
8TH GRADE

**EARTH SCIENCE**

Mrs. Nidia Nochez - [nnochez@colegiomaya.edu.sv](mailto:nnochez@colegiomaya.edu.sv)

**LIFE AHEAD METHODOLOGY**

Life Ahead: Personal growth is assured through the philosophical foundations and the school's Life Ahead Methodology. The Life Ahead Methodology promotes autonomy, organization, responsibility, and social skills. Its major goal is to produce self-reliant individuals who will assume an ever-greater responsibility for their own learning.

**COURSE DESCRIPTION**

Earth Science is the study of our planet's physical characteristics, from earthquakes to raindrops, and floods to fossils. Earth Science includes the study of the four main branches of Earth Science such as Geology, Meteorology, Oceanography, and Astronomy. It relates the interaction of earth sciences to the physical world. Among the themes included in this course are: land shapes, climate, flow of fresh water, earthquakes, and volcanic eruptions. Students will also study characteristics of the ocean, its forms of life, the formation of the universe, solar system, Earth, and the exploration of space.

**OBJECTIVES**

Students will be able to:

- Understand how different branches of science study about planet Earth and of the regions in space beyond it.
- Describe how scientists use the rock and fossil record to decipher Earth's history.
- Describe how erosion and deposition result in the formation of landforms.
- Understand how the flow of water on Earth's surface and underground is the dominant process in shaping the landscape.
- Describe different climates around the world and the factors that influence it.
- Explore the scientific theories of how the universe, solar system and Earth were formed.
- Explore the world of Astronomy and its mysteries.
- Understand how the development of rocket science and the study of space have enriched our lives.

**CONTENT**

- Branches of Earth Science
- The rock and fossil record
- Plate tectonics and earthquakes
- Weathering, erosion and deposition
- Movement of fresh water
- Ocean's environments and groups of marine life
- Weather and climate
- Astronomy
- Life cycle of stars

- Solar system
- Rocket science

### SKILL STRANDS

- Describe the major branches of Earth Science
- Develop an understanding of how rocks are formed, and how they are classified
- Recognize how plate tectonics accounts for important features of Earth's surface and major geologic events.
- Explore how erosion and deposition result in the formation of landforms and shape the surface of Earth.
- Develop an understanding that oceans contain natural resources that require protection.
- Recognize that Earth's atmosphere is a mixture of gases that distributes heat and enables life to exist on Earth.
- Describe the factors that influence climate.
- Recognize how the Solar System was formed
- Develop an understanding of how studying space allows us to understand the movement of objects in space.
- Understand how the development of rocket science has enriched our lives.

### LIBRO DE TEXTO/TEXTBOOK

Earth Science (Holt Science and Technology)

### EXPECTATIONS

- Bring all necessary material to class.
- Speak English at all times, including during group work with peers.
- Make notes when reading is assigned, and during class.
- Access information through reading a variety of sources.
- Finish work in the allotted time.
- Turn in homework on time.
- Participate actively in class.
- Make up for any missed evaluation and/or classwork.
- Treat others respectfully.

### ASSESSMENT

Students' grades will be based on a variety of assignments such as class work, homework, quizzes, tests and individual/cooperative work projects. The weight of each category is as follows:

- 40% Classwork and homework
- 60% Exams, Quizzes, Projects, essays

### WEEKLY FOLDER

Students' evaluations will be sent home in the Friday folder. It is important to review this work. Please sign and return the folder each Monday.

### OTHERS

Project guidelines, assignments, and important due dates will be sent via Google classroom to the students. Students will have the opportunity to improve all test grades by making corrections, except semester and final exams.

**APPOINTMENTS:**

If you have any questions, you can request a meeting with the teacher by sending an email to [iamaya@colegiomaya.edu.sv](mailto:iamaya@colegiomaya.edu.sv) or calling 2316-7800.

For further information, we invite you to visit us at:



[www.colegiomaya.edu.sv](http://www.colegiomaya.edu.sv)



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