

Be a Scientist: In Biology and Medical Sciences

The Academic Enrichment Program is considered one of the most important universal methods used to enrich the knowledge of talented students in STEM fields. In collaboration with the world's best places of expertise in talent and creativity, Mawhiba designed the courses to fit and challenge the students participating in the program. Mawhiba also aims to increase the depth and diversity of the scientific courses as students advance in education level and participate year after year .

Mawhiba also included interpersonal skill development as part of the program's main goals. To ensure students build their character and personality alongside their academic education, some of these include innovative thinking, cyber safety, Logical reasoning, and other important modern-day skills.

Course Description

"Be a scientist: In Biology and Medical Sciences" course is one of the courses that fall under the "Medical, Biomedical and Chemical Sciences" Pathway. Students in this course will also learn about the different fields in biology and medicine, as well as answer questions that interests students who love biology and medical sciences, such as "What do biologists do?" "What are the things that medical scientists' study?" and "What kinds of projects and experiments do these scientists conduct?". Students will be conducting experiments and study important concepts in biology and medicine such as genetics, chemical reactions, human body and anatomy, sterilization methods, and forensic medical examination procedures.

One of the experiments students may conduct during their participation is a study of their local ecosystem, they will try to calculate the diversity of the plant and animal life, how they behave in their environment and how the students can improve their ecosystem. These types of experiments will be done in groups under adult supervision, students will test the effect of toxins on simple organisms or explore molecular biology using basic materials and methods to extract and describe a DNA sample, they will carry out a large number of minor laboratory tests and analyses throughout the course.

Acquired Skills

Students will be building and developing their academic and personal skills such as "teamwork, problem solving, reading and analyzing scientific literature, listening and understanding, as well as other important skills, they will be taught using an educational kit provided by specialized tutors:

- 1.Logical Reasoning.
- 2.Future vision.
- 3.Positive personal values and traits.

What to Expect When Taking this Course

- An in-depth scientific material.
- Practical activities and scientific projects.
- Skills development.

Course's Calendar

Key dates					
#	Program's start & end dates	Start	End	Start	End
1	Session 1	3/11/1442	21/11/1442	13/6/2021	1/7/2021