

Be a Scientist: In Physics and Engineering

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 Physics and Engineering" is a course that includes both "Engineering Sciences" and "Physics, Earth and Space Sciences" fields in one, and is designed to enrich the students' knowledge in the principles of physical sciences and engineering.

The course will dive into scientific exploration, brainstorming ideas, design, manufacture, testing, and revision of hardware models. Students in this unit will also be able to ask scientific questions, develop hypotheses and perform hypothetical experiments. Students will gain the ability to answer several relevant questions in the science of physics, the science of matter, including "Who's an engineer?" "who's is a physicist?" And "what kinds of different projects and experiments do physicists and engineers do?" All these will be answered by our students through their participation in games, activities, and projects that will help them learn about this field and the different career options that might interest them in the future.

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