Yokosuka Gakuin High School

Introduction of

The Science Education Center

~To Train Students for an International Way of Thinking~

Yokosuka Gakuin Science Education Center
In 1950, Yokosuka Gakuin High School succeeded the building of the 2nd Aoyama Gakuin High School, which was built on the site of the training school for the former Japanese Marines.

This is a Christian school originally established by local Christians. It is a co-educational school with elementary and junior high schools attached. We currently have about 1,400 students in the high school.
Based on Christian beliefs, we will educate our students to be honest to God to demand the truth, and to carry out one’s missions in life.
Christianity (Protestant):

In order for our school missions to take shape, we cherish service everyday and Christian holidays such as Easter and Christmas. (The students and teachers are not necessarily required to have the same religious view.)
The 3-Course-System:
★ Integrated Course
For the students who have entered from Yokosuka Gakuin elementary and junior high.
★ Advanced and Standard Courses
For the students who have entered from other schools.
Courses fitted for the students’ future paths:
We have established the science course for the students who want to study to become scientists, engineers, doctors, dentists, nurses and pharmacists etc.
The Issues of our Science Course

★ Currently only about 30% of all the students are in the science course.
⇒ increase the percentage
★ The science classes (math, science, information) account for about 40% of all the classes in the 11\textsuperscript{th} grade and 60% in the 12\textsuperscript{th} grade.
⇒ expand the quality of those classes
★ Our study abroad program is only for 2 weeks.
⇒ add some science elements to it. Such as participation in science classes, including experiments, researches and visiting facilities.
The Ultimate Goal
Training students to be capable of finding their own research projects and working independently.

Our Current Goal
Training students to work on the projects independently.

The measures to achieve those goals
To establish a program which can motivate the students and allow them to acquire a wide range of scientific knowledge by maintaining the environment in which the students can study independently.

Purpose ❶
① Expansion of teachers’ training programs.
② Rearranging the current curriculum and establishing the SS courses.
③ Making the curriculum more advanced and modernized. Including the adoption of SSH program.
④ Improving the study support system.
Developing a program, which contains the aspects of both humanity and science courses, which will train future scientists, engineers and medical professionals by cooperating with our junior high and other universities.

Purpose ❷

① Enhancing the characteristics of our Christian educational system.
② Maintaining the teachers’ training program.
③ Reconsideration of the curriculum and the teaching materials.
④ Active Learning Experimenting on the flip teaching methods.

Searching of a curriculum connected to other universities, how the education should be before universities, adopting a credit transfer system, career guidance for after universities.

We’d like to persuade them with the help of public research institutions, the local industries and especially universities we have a cooperative arrangement with.

Purpose ❸

① Expansion of the quality and the quantity of the programs with the universities.
② Reinforcement of the relationships with other universities and local industries.
③ Searching and practicing of the local educational seeds.
④ Theorization and systematization of the educational practice by cooperating with university teacher-training courses.
⑤ Adopting an internship program.
To acquire the ability to send information, to have critical judgement and thinking. Also acquiring an international way of thinking by giving presentations in different languages both at home and abroad.

To open the classes and the science center to other schools. Also searching for how the science center should be as the school neighbor to the Miura Peninsula.

1. Training for the ability to send their information and opinions.
2. Establishing a program with the elements of multiple subjects.
3. Establishing our own English science teaching materials and the curriculums.
4. Improving their skills of giving presentations.
5. Training them to have international perspectives and the students’ self expressive powers.

1. Expansion and reinforcement of our science center.
2. Planning and managing the presentation of research projects.
3. Establishing the status as the school that cooperates with local industries.
Measures to Solve the Issues
~Formation of the Science Education Center~

★The System★

We formed “The Science Education Center”, which is led mainly by the high school teachers, as a joint project of the elementary, junior high and high schools.

Both junior high and high school teachers are helping with the elementary science classes.
Establishing cooperation with 6 domestic universities and the programs which provide chances to participate in experiments and lectures of those universities.
Establishing the programs of engineering and medical ethics by making the most of the characteristics as a Christian school.

“Genetic Modification” “CRISPR/Cas9”
“The peaceful use of atomic energy”
“War and technology” “Death education”
“Designer’s Baby” “Prenatal diagnosis”
Measures to Solve the Issues
～The Projects of the Center～

③ Establishing a project which trains students to acquire an international way of thinking and be able to present their research and opinions in English.
In our opinion, a model student is a student:
• who understands the school policies and traditions
• who makes the most of their gifts and talents
• who faces the social and local issues with integrity
• who is conscious of their missions that they need to accomplish
• who takes actions independently

This is what leading scientists, engineering and medical professionals need.
We’re currently organizing a science study abroad program, which will be about 10 days.

① We’re looking for high schools that can provide a program that enables students to participate in their science and math classes (for about 3 days).

② We’re looking for a higher educational institution, national or corporate laboratories that can give participatory lectures overseas (for about 3 days).
Please Contact Us

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