

"Gather science dreamers at GIST" 2024 Middle School Gifted Science Camp held

- Career exploration and various science experience activities considering the talents and aptitudes of local gifted science students
- Providing students with opportunities to develop their potential and nurture them into future scientists who contribute to the development of the community and nation



▲ Students from the Gwangju Creative Convergence Education Center's Gifted Education Center who participated in the secondary gifted career mentoring program are taking a group photo.

Dreamers in science who will lead the future society gather at the Gwangju Institute of Science and Technology (GIST, President Kichul Lim).

GIST announced that it conducted the 'Middle School Gifted Career Mentoring' program on Friday, May 3, in conjunction with the Gwangju Creative Convergence Education Center for local gifted middle school students.

This event is a program planned with the Gwangju Metropolitan City Creative Convergence Education Center to foster creative convergence scientific specialists who will lead the future society and to specifically explore career paths in the science and engineering fields. The event was held by inviting 52 students from the 1st grade of the Gwangju Creative Convergence Education Center's Secondary Gifted Education Center to GIST.

Students arrived at the GIST campus and received an orientation including safety training. Then they attended a special lecture on 'Einstein's Legacy (GPS, black holes, gravitational waves)' conducted by Professor Keun-Young Kim of the Department of Physics and Photon Science.



▲ Students who received orientation are listening to a special lecture on 'Einstein's Legacy (GPS, black holes, gravitational waves)' by Professor Keun-Young Kim of the GIST Department of Physics and Photon Science.

Afterwards, together with the 'PIUM Group', a social contribution group made up of GIST students, they created an 'obstacle avoidance car' as a science kit that detects and avoids obstacles with an ultrasonic sensor.



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Next, the students, divided into two groups, visited the artificial intelligence laboratory of Professor Kyoobin Lee of the School of Integrated Technology and experienced ▲ facial expression mirroring challenge with artificial intelligence ▲ creating a time-transforming image using an image generation model. In addition, meaningful memories were made on the GIST campus by taking commemorative photos in front of the GIST sculpture and touring the library, which has a unique appearance reminiscent of a spaceship.

One student who participated in the program said, "I was able to understand the physics lecture on black holes well because the professor explained it in an easy and fun way suitable for middle school students. I feel like I am one step closer to my dream of becoming a future scientist through the valuable experience of directly visiting and experiencing university research labs."

International and Public Affairs Dean Jae Gwan Kim said, "Since 2010, GIST has provided various science camps and educational services for elementary, middle and high school students. In the future, we plan to further expand the number of

participants and prepare a substantial experiential science and engineering career exploration program to further cultivate local scientific specialists."

