



The 12th *Online-ASEAN+3* Student Camp
for the Gifted in Science

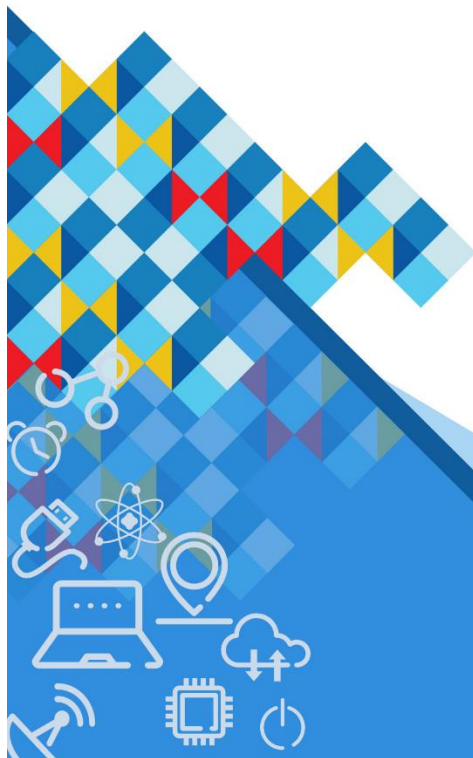
The 14th *Online-ASEAN+3* Teacher Workshop
for the Gifted in Science

1st Circular

January 7-15, 2023

www.acgs.site

ASEAN+3 Center for the Gifted in Science



The 12th ASEAN+3 Student Camp for the Gifted in Science
The 14th ASEAN+3 Teacher Workshop for the Gifted in Science

1st Circular

*Document distributed on
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The 12th ASEAN+3 Student Camp for the Gifted in Science

The 14th ASEAN+3 Teacher Workshop for the Gifted in Science

Date and Venue

Date : January 7~8 and January 13~15 2023 (5 days)

Venue : Online (ACGS webpage, Google Classroom, and ZOOM)

Theme

■ Student Camp

<Learning Together through Online Inquiry>

Topic 1 (Physics)	Wave to Music
Topic 2 (Chemistry)	Exploring Carbon Dioxide and Greenhouse Effect
Topic 3 (Biology)	What would the world be like without fermentation?

■ Teacher Workshop

<Preparing Students for the Future>

Teacher Presentation	Transforming to Science Education for Sustainable Development - Responding to Climate Emergency
Teacher Seminar 1	Science Gifted Education in Korea and Its Directions for Future Development
Teacher Seminar 2	Science DaVinci Box : Exploring Energy!
Teacher Seminar 3	Supporting Student Agency in the Science Classroom

Official Language

English

Qualification and Admission Criteria

■ Student

- Qualification: Talented students (junior-high school, aged 13~15) in Science
- Apply as a team formed by one teacher and up to three students (Submit one application form per team)
- Total 60 teams (20 teams per each topic) will be selected
- Admission Criteria
 - (1) Based on student responses to questions in the application form
 - (2) Extra points given to students who completed Pre Training of 12th ASEAN+3 Student Camp for the Gifted in Science, which been held on September – October, 2022
 - (3) Country representation in each topic group will be considered.

※ Detailed information for each topic will be uploaded on ACGS Homepage
(www.acgs.site)

■ Teacher

- Qualification: Teachers in science and/or educators in related organizations and schools
- Roles
 - (1) As a Student Supervisor
 - a) Form a student team with 3~4 students and fill out the online application form on behalf of the student team
 - b) Before beginning of the Camp, guide students to produce videos for the Cultural Night session (detailed information will be given to the participants)
 - c) During the Camp, guide students to participate in activities during the camp (Most of activities are student-centered, so do not required for you to keep monitoring students' activities. However, there could be an occasion that the

Camp manager may contact you when special offline supervision is needed.)

d) Participate in “The 14th ASEAN+3 Teacher Workshop for the Gifted in Science” which will be held concurrently with the Student Camp(see Detailed program below)

(2) As a Science Educator

a) Although you do not supervise a student team, you are also welcome to participate in the Teacher Workshop only.

Schedule and Program Detail (Tentative)

■ Student Camp

- Schedule

TIME (KST)	Day 1 Jan 7 th (Sat)	Day 2 Jan 8 th (Sun)	Day 3 Jan 13 th (Fri)	Day 4 Jan 14 th (Sat)	Day 5 Jan 15 th (Sun)
15:00-16:00	Opening (ZOOM)				
16:00-17:00	Break				Student presentation (ZOOM)
17:00-18:00	Keynote Speech (ZOOM)				
18:00-19:00		Lecture and Discussion (ZOOM & Google Class)	Lecture and Discussion (ZOOM & Google Class)	Lecture and Discussion (ZOOM & Google Class)	Cultural Night (ZOOM)
19:00-20:00	OT (ZOOM & Google Class)				Award and Closing (ZOOM)

- Program Detail

Keynote Speech	<ul style="list-style-type: none">- U(niverse) & I in New Space Era (Speaker: Dr. Seokhee Lim, Korea Aerospace Research Institute)- Biometrics: How a Machine Recognizes You? (Speaker: Dr. Kar-Ann Toh, Yonsei University)
Cultural Night	<ul style="list-style-type: none">- Each country submits a five-minute video that introduces your country's culture (Maximum 3 videos from each country)- Submitting by December 30th by email- Camp participants will have a chance to watch the videos and vote for the best video during the Camp period- Selected videos will be awarded at the closing ceremony
Award	<ul style="list-style-type: none">■ Student<ul style="list-style-type: none">- Certificate of Completion- Topic Presentation Award- Cultural Sharing Award- Prize will be mailed to the student's school.■ Teacher<ul style="list-style-type: none">- Certificate of Participation

Teacher Workshop

- Schedule

TIME (KST)	Day 1 Jan 7 th (Sat)	Day 2 Jan 8 th (Sun)	Day 3 Jan 13 th (Fri)	Day 4 Jan 14 th (Sat)	Day 5 Jan 15 th (Sun)
15:00-16:00	Opening (ZOOM)				
16:00-17:00	<i>Break</i>				
17:00-18:00	Keynote Speech (ZOOM)	Teacher Seminar 1 ZOOM & Google Class	Teacher Seminar 2 ZOOM & Google Class (Pre-registration required)	Teacher Seminar 3 ZOOM & Google Class	Student presentation (ZOOM)
18:00-19:00		<i>Break</i>	<i>Break</i>	<i>Break</i>	Cultural Night (ZOOM)
19:00-20:00	OT (ZOOM & Google Class)	Teacher Presentation 1 (ZOOM)	Teacher Presentation 2 (ZOOM)	Teacher Presentation 3 (ZOOM)	Award and Closing (ZOOM)

- Program Detail

Keynote Speech [same as Student Camp]	<ul style="list-style-type: none"> - U(niverse) & I in New Space Era (Speaker: Dr. Seokhee Lim, Korea Aerospace Research Institute) - Biometrics: How a Machine Recognizes You? (Speaker: Dr. Kar-Ann Toh, Yonsei University)
Teacher Presentation	<p><i>Transformation of Science Education for Sustainable Development: Responding to Climate Emergency</i></p> <ul style="list-style-type: none"> - Format: 10-minute presentation followed by a 3-minute discussion - Expecting more than one presentation from each country - Sharing how educational fields in each country have put efforts to respond to the climate emergency. Specific cases, national-level educational policies, or curriculum changes regarding the issue can be shared. - Discussing how educational fields can transform to respond to the climate emergency
Teacher Seminar1	<ul style="list-style-type: none"> - Science Gifted Education in Korea and Its Directions for Future Development (Speaker: Prof. Hae-Ae Seo, Busan National University)
Teacher Seminar2	<ul style="list-style-type: none"> - Science DaVinci Box : Exploring Energy! - Open simultaneously with the Student Camp - Pre-registration is required for participation in Teacher Seminar 2 (Up to 20 teachers can participate due to a limitation of workshop materials which will be delivered before the Teacher Workshop)
Teacher Seminar3	<ul style="list-style-type: none"> - Supporting Student Agency in the Science Classroom (Speaker: Dr. Heesoo Ha, Seoul National University)
Cultural Night [same as Student Camp]	<ul style="list-style-type: none"> - Teachers may guide students to produce the video as below. <ul style="list-style-type: none"> - Each country submits a five-minute video that introduces your country's culture - Submitting by December 30th by email - Camp participants will have a chance to watch the videos and vote for the best video during the Camp period - Selected videos will be awarded at the closing ceremony
Award [same as Student Camp]	<ul style="list-style-type: none"> ■ Student <ul style="list-style-type: none"> - Certificate of Completion - Topic Presentation Award - Cultural Sharing Award - Prize will be mailed to the student's school. ■ Teacher <ul style="list-style-type: none"> - Certificate of Participation

Application

- Application process as below: Google Survey

Webpage: <http://www.acgs.site>

Student: <https://forms.gle/x1a5yxXVwuzHqWvy9>

Teacher: <https://forms.gle/t36oxjsq5v3dpBak9>



- Application period

December 5th ~ December 20th

- ※ To avoid confusion, please submit your application as early as possible.
- ※ Application confirmation e-mail will be sent within 2 business days. If you are not getting the confirmation e-mail from ACGS, please email to ggerc@cloud.snue.ac.kr

Etc.

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