

# THE OUTLINES OF SKYSEF 2017

1. The goal of SKYSEF is to develop assistance strategies for high school teachers to facilitate their student's scientific inquiry, to communicate science research and to discuss the emerging issues with the peer students within and across Japan. SKYSEF secures the opportunity for the students to achieve such communication.
2. SKYSEF will be held from August 5th to 8th, 2017. The venue will be either of Shimizu Terrace and Shizuoka Institute of Science and Technology. We will inform you the detail once we finalize the plan.
3. The target participants are 7th-12th graders or the equivalent in your country (aged 13-18).
4. The language used at SKYSEF 2017 is English.

## 5. Agenda (tentative)

Date	Time	Program	
		Students	Teachers
Day1, Aug.5 Saturday	Afternoon	<b>Check-in at SKYSEF2017 desk (drop off the cultural performance data and oral presentation data and receive SKYSEF2017 packet)</b> <b>Welcome Reception, Cultural Exchange</b>	
Day2, Aug.6 Sunday	Morning	<b>Opening Ceremony, Keynote Address</b>	
	Afternoon	<b>Oral Presentation</b>	<b>Student support and Evaluation 1</b> Evaluate the students' presentations using an evaluation instrument.
Day3, Aug. 7 Monday		<b>Poster Session</b>	
Day 4, Aug. 8 Tuesday	Morning	<b>International Joint Project (Shizuoka Institute of Science and Technology)</b> The mixed groups of Japanese and foreign students engage in science activities.	<b>Student support and Evaluation 2</b> The teachers assist the student's performance during International Joint Project.
	Afternoon		<b>Teacher's Session</b> Japanese and foreign teachers share the present state of science education in each country and discuss the evaluation standards of the student's research. Support student's activity and collect aspects to be improved
<b>Commendation Ceremony, Review, Closing Ceremony</b>			

## 6. Program details

### (1) Welcome Reception and Cultural Exchange

We would like to take an advantage of this unique opportunity to share cultural aspects of the participating countries. Participating schools are encouraged to prepare a presentation or performance to introduce your country. Please finish up the presentation and performance within 5 minutes for the sake of the other presenters.

(2) Keynote address

We are going to give a keynote address by a science professional.

(3) Oral Presentation

Each participating school is requested to give one (1) presentation of their own research project. The presentation should finish in fifteen (15) minutes, followed by questions and answers for ten (10) minutes. The presentations have to be carried in English. Presentation equipment such as PC's and projectors will be prepared by Shizuoka Kita High School. The most outstanding presentation from each category (shown below) will be awarded at the Commendation Ceremony.

(4) Poster Session

Students' research will also be presented in a poster session. Each school is able to submit up to two (2) posters. For each poster presentation, Shizuoka Kita High School prepares a poster panel with the size of 180 cm in height x 90 cm in width. Please bring the posters printed out.

**<Categories of Oral Presentation and Poster Session>**

**Session 1) Energy**

People have developed technology related to water and energy issues. Science and technology have evolved to make our lives safer and more comfortable. To protect biodiversity and realize sustainability, we must continue to develop science and technology.

**Session 2) Environment**

We take benefits from a multitude of resources and processes that are supplied by natural ecosystems. These benefits are known as ecosystem services and include products like clean drinking water and processes such as the decomposition of waste. Understanding of ecosystem services requires a strong foundation in ecology, which describes the underlying principles and interactions of organisms and the environment. To realize a sustainable society, we must seek ways to solve these issues in local environments.

**Session 3) Biodiversity**

The diversity of life- biodiversity- is threatened by problems related to the environment: water and air pollution, invasive species, and so on. In order to preserve the wonderful rich variety of life on Earth, we must seek ways to get involved in the preservation of our local environment.

(6) International Collaboration Project

International groups of students will discuss about the ideal state of science and technology that fits to the current society where there is no correct/incorrect answer to the issues.

(7) Teacher's session

The mixed groups of international teachers share the present state and the issues of science education in each country. This year the session focuses on "active learning" in science classes where the students engage in inquiry using deep thoughts, communication/dialogue and autonomy. We invite the speakers who wish to present the own practices to facilitate active learning of the students. If you wish to present, please submit Form 3 by May 19.

# PARTICIPATION IN SKYSEF 2017

## 1. Cost and trip arrangements

- (1) Participation in SKYSEF 2017 is free of charge. Shizuoka Kita High School will be responsible for accommodation, ground transportation in Japan, and meals as assigned below.

	Aug. 5	Aug. 6	Aug. 7	Aug. 8
Breakfast		Hotel/Host family	Hotel/host family	Hotel/Host family
Lunch	Self	SKYSEF	SKYSEF	SKYSEF
dinner	Welcome dinner	Self/Host family	Self/Host family	Self

- (2) We ask you to be responsible for organizing and financing your international flights to and from either of Narita International Airport, Haneda International Airport or Mt. Fuji Shizuoka Airport.
- (3) We will provide accommodation of the participants in Shizuoka City during SKYSEF 2017 (for the nights of August 5, 6 and 7). We appreciate your kind understanding that we provide an extended stay (for night of Aug. 4 and/or Aug. 8) only when you cannot find the convenient flight that fits the SKYSEF schedule.
- (4) We will cover the cost of ground transportation in Japan with a minimum trip between the International Airports and the venue.

## 2. Application Forms and submission deadline

Forms and items	Deadline
Form 1 (Registration Form) <b>Please submit flight information on this Form.</b>	April 10, Monday
Form 2 (Homestay application)	May 19, Friday
Form 3 (Teacher's session) <b>The presenters on active learning practices are invited.</b>	
A picture of the students a group shot, will be projected on the opening DVD	
Form 4 (Student's presentation abstracts)	June 23, Friday
Form 5 (Cultural performance)	
School information A4 size, 1 page, will be included in the proceedings	

\* The personal information provided through the Forms will only be used to organize SKYSEF2017 and regarding arrangements.

## 3. Changes from SKYSEF 2016

- (1) **Please submit the flight information on Form 1 that is due on April 10.**
- (2) The number of the cultural performance will be limited to ten (10) groups due to the time restriction. We appreciate your kind understanding that we will have to make selection based on Form 5 if the number of registration exceeds it.
- (3) We invite presenters for the Teacher's Session. If you wish to present your teaching practice on active learning in science classes, please submit Form 4.