



PCSHS News

Thailand – Japan Student ICT Fair 2019



Thai and Japanese students go on a field trip for a good cause

Today, students from Thailand and Japan went on separate field trips to five places in Mukdahan province which was aimed at motivating students to apply the knowledge and skills they had gained from the recent workshops by designing workpieces that could help solve problems encountered at the locations they visited during the field trip. The following are the places they visited.

The Queen Sirikit Department of Sericulture



Japanese students trying silk reeling

In this location, the students participated in an activity called “Silkworm Monitoring System”. The product students built were supposed to be able to read temperature scales and light intensity that can control and maintain quality in sericulture.

Agricultural Research and Development Centre



The mission of visiting this place was to increase the capacity in producing rubber latex and improving the quality of people’s lives. The name of the activity that the students did here was “Barcode-like paper Sensor using a smartphone and simple test kit for magnesium detection in rubber latex”. Students were so excited to witness such advanced technology.

The Second Thai–Lao Friendship Bridge



Thai and Japanese students attending a lecture

Students visited the Reun-Chomphet Museum located beside the Second Thai–Lao Friendship Bridge and later explored the ores and gemstones at the museum. Afterwards, the student delegates brainstormed to design a smart bridge model through the use of innovative sensors and Internet of Things (IOT). Students then built a smart bridge model using the IOT Activity Kit Blynk Version toolbox.

Phu Pha Thoep National Park



Students joining activities and scanning QR code for a game

Phu Pha Thoep National Park’s geography features undulating sandstone. During the students’ visit to this eco-tourist destination, the students used Augmented Reality Technology for applying knowledge of botany and playing Pokémon games for plant exploration.

Mukdahan Inland Fisheries Station



Participants experimenting water temperature and pH levels

This location is an agricultural area which intends to increase the production of freshwater fish to meet the needs of domestic consumers and exporters. The students participated in an activity called “Water quality monitoring system”, and the said activity’s expected purpose was to read the temperature scales and the pH of water.

Overall, the field trip in the mentioned five places was indeed a great and successful trip because it provided students with knowledge and good experiences. Most importantly, the trip enabled the students to envision and plan meaningful projects that will be of help to key developmental locations in Mukdahan province.



Farewell

Students from Thailand - Japan had a farewell party including having dinner and mocktails and watching Japanese and Thai students' shows at the auditorium.



The event began with an opening speech by Dr. Thongchai Chewprecha before inviting everyone to dance together while the band played the song "Loy Kra Thong".

The participants watched a performance with 4 Isan music instruments including Khaen, Wot, Phin and PongLang. The next shows were Thai Phu Khao dance, Thai performances from the 4 regions of Thailand, and Poking Ant Egg show. Thai Isan traditional dance was the show that students from PCSHSM and Hiroshima university science high school performed together to exchange and share culture. Afterwards, students from Nara Seisho and Nakhon Si Thammarat's partnership performed their gorgeous performance.



The last night of the Thailand-Japan Student ICT Fair 2019 was perfect. The shows were fabulous, and everyone enjoyed the great vibes of the party. Unfortunately, all these memorable activities must come to an end. Even though the fair is over, the Japanese and Thai students will surely always keep these precious memories with them!

All good things must come to an end! On behalf of PCSHSM, we thank you for your hard work and for sharing quality time with us. We hope that you enjoyed the event. Bon voyage! We hope to see you again.



Following this event, Hackaton and plaques were rewarded to all attendees. Next, they watched the video of TJ-SIF 2019. Then they watched the band play KITA Sakaba show and Koisuru Fortune Cookies show. For the last part of the event, they sang the Auld Lang Syne together.

Brainstorm and design work piece



At 13.30-15.30, Princess Chulabhorn Science High School Mukdahan (PCSHSM), the workshops for brainstorm and design workpiece were held in the Auditorium, Meeting Room 1, the Hall of Dormitory 1, the 2nd floor of the Library and Resource Centre room 1 and room2. After student delegates had lunch, they used the information and shared the ideas that had been acquired in order to modify the equipment and make it successful for solving the problem of the field trip.

This activity developed exhibitions about problems encountered in the station where they participated. The concepts were about the problem at the stations and creating IOT for solving it and adapting the solution to apply it to the Smart City concept to become more convenient than the manual method.

On the last day at PCSHSM, the students did a lot of activities. Tomorrow, the participants will depart from the school. However, an event like this is held every year. Next year the event will be held at Princess Chulabhorn Science High School Trang. Please follow up on next year's announcements so you don't miss the chance to join.