

# **Introductory Guide to Thailand-Japan Student Science Fair 2018 (TJ-SSF2018)**

**Princess Chulabhorn Science High School Phitsanulok**

86 Moo 4, Ban Makhamsung, Amphue Muang, Phitsanulok, 65000



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## **Part I - The TJ-SSF 2018**

### **Preface**

Thailand-Japan Student Science Fair 2018 at Princess Chulabhorn Science High School Phitsanulok brought together Thai and Japanese high school students as well as school executives and science teachers. It is the first-of-its kind academic event which allowed Thai and Japanese students to orally present their own science projects in five areas: Mathematics, Physics, Chemistry, Biology and ICT, as well as make a poster presentation.

Besides, the students attended a wide-range of well-designed activities which helped extend their knowledge and improve their scientific skills. The event broadened their learning horizons and sustained their scientific interest. Most importantly, that Thai and Japanese students spent some time together for over three days created friendship among new generations of both countries.

### **Background Information**

Thailand-Japan Student Science Fair 2018 will be held on June 7-9, 2018 at Princess Chulabhorn Science High School Phitsanulok. It is jointly organized by all Princess Chulabhorn Science High Schools and has the following objectives:

1. To enhance scientific mind and competences of the participants.
2. To develop better interpersonal and communication skills of the participants.
3. To broaden the participants' global outlook.
4. To form friendship among Thai and Japanese participants which will contribute to cooperative learning and joint projects as well as future collaboration.
5. To strengthen academic collaboration between Princess Chulabhorn Science High Schools and their Japanese Super Science High School partners.
6. To establish friendship and cooperation among Princess Chulabhorn Science High Schools and Japanese Super Science High Schools or KOSEN as well as Thai Science High Schools or schools with special program in science.

## Part II - During the TJ-SSF 2018

### Tentative Schedule for Thailand – Japan Student Science Fair 2018 (TJ-SSF 2018)

#### Tentative Schedule for Thailand – Japan Student Science Fair 2018 (TJ-SSF 2018)

Time	Activities			Venue
	Students	Teachers	Principals	
6 June 2018				
07.00-15.00	- Arrival of Japanese participants at Suvarnabhumi Airport. - Receiving escorts by partner schools to PCSHS Phitsanulok.			Partner school’s van
10.00-16.00	- Registration			Laksananusorn Dorm.
16.00-17.00	- Local wisdom of Phitsanulok people			Laksananusorn Dorm.
17.00-17.45	- Poster installation			
18.00-19.00	- Dinner			
19.00-19.30	- Orientation			Principals and teachers move to hotel accommodation
19.30-20.00	- Move to students’ dormitory			
7 June 2018				
06.00-07.00	- Breakfast			
07.00-07.30	- Move to the auditorium / Video Presentation of Princess Chulabhorn Science High Schools (PCSH)			

Time	Activities			Venue
	Students	Teachers	Principals	
09.00	<b>Greeting protocol for H.R.H. Princess Maha Chakri Sirindhorn in the opening ceremony of Thailand-Japan Student Science Fair 2018 (TJ-SSF 2018)</b> - H.R.H. Princess Maha Chakri Sirindhorn arrives at the auditorium building. - H.R.H. Princess Maha Chakri Sirindhorn is welcomed by Vice Governor of Phitsanulok. - H.R.H. Princess Maha Chakri Sirindhorn is welcomed by Deputy Minister of Education, Advisor Committee and Executive Board of PCSH, The Secretary General of the Office of Basic Education Commission (OBEC) and PCSHS Phitsanulok Principal. - A representative of PCSH Executive Board presents a flower garland. - A student representative of PCSHS Phitsanulok presents a flower garland. - H.R.H. Princess Maha Chakri Sirindhorn proceeds to the auditorium.			
09.05	- H.R.H. Princess Maha Chakri Sirindhorn is seated (on stage). - OBEC Secretary General presents a program book and proceedings of TJ-SSF 2018. - Deputy Minister of Education respectfully gives a report on TJ-SSF 2018 to H.R.H. Princess Maha Chakri Sirindhorn. - H.R.H. Princess Maha Chakri Sirindhorn delivers an inaugural address for the TJ-SSF 2018.			
09.20	Intermission H.R.H. Princess Maha Chakri Sirindhorn rests in Royal Waiting Room 1.			
09.30	- H.R.H. Princess Maha Chakri Sirindhorn proceeds to the auditorium. - H.R.H. Princess Maha Chakri Sirindhorn proceeds to the seat at the front of the stage. - Video Presentation of TJ-SSF 2018 - Stage performance by PCSHS Phitsanulok on “Fon Uay Phon” (Blessing Dance)			

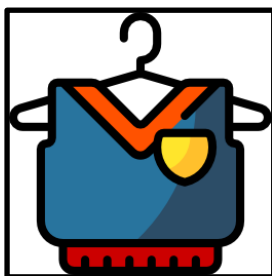
Time	Activities			Venue
	Students	Teachers	Principals	
09.45	Oral presentation of selected science projects in English - Thai students' science project - Japanese students' science project			
10.05	- Plenary lecture by an eminent Japanese scientist - Presentation of a token of appreciation to the keynote speaker by H.R.H. Princess Maha Chakri Sirindhorn			
10.45	- H.R.H. Princess Maha Chakri Sirindhorn departs the auditorium to Royal Waiting Room 2, 1st fl. of the Main Building - H.R.H. Princess Maha Chakri Sirindhorn rests in Royal Waiting Room 2. - H.R.H. Princess Maha Chakri Sirindhorn signs in the inauguration book.			
11.05	- H.R.H. Princess Maha Chakri Sirindhorn proceeds to the photo studio, 2nd fl., for four photo sessions.			
11.25	- H.R.H. Princess Maha Chakri Sirindhorn proceeds to Royal Dining Room and has a luncheon with PCSH Advisor Committee and Executive Board and honorable guests.			
12.45	- H.R.H. Princess Maha Chakri Sirindhorn proceeds to the poster exhibition hall, 2nd fl. of the library building to view 30 science project poster presentations of Thai and Japanese students.			
14.00	- H.R.H. Princess Maha Chakri Sirindhorn proceeds to the set point for departure. - H.R.H. Princess Maha Chakri Sirindhorn departs school.			
15.00-16.00	- Group A poster presentation			
16.00-17.00	Oral presentation		Comments and suggestions by mentors	
18.00-20.00	- Dinner and welcome party of cultural themes			

Time	Activities			Venue
	Students	Teachers	Principals	
8 June 2018				
07.00-08.00	- Breakfast			
08.10-08.50	- Plenary lecture by an eminent Thai scientist (Dr.Teepanis Chachiyo)			
09.00-10.00	Oral presentation	Comments and suggestions by mentors		
10.00-11.00	- Group B poster presentation			
11.00-12.00	Oral presentation	Comments and suggestions by mentors		
12.00-13.00	- Lunch			
13.00-14.00	Oral presentation	Comments and suggestions by mentors		
14.00-14.50	- Group C poster presentation			
14.50-17.30	Science walk rally	Teacher show and share	Principal meeting	
17.30-18.30	- Dinner			
18.30-18.45	- Briefing and preparation for the field trip			
19.00-21.00	- Star Exploration by National Astronomical Research Institute of Thailand (Public Organization), Chiang Mai			
9 June 2018				
06.00-07.00	- Breakfast			
07.00-13.00	Field trip (3 routes) 1) Sirindhorn College of Public Health Phitsanulok 2) Phitsanulok Rice Research Center 3) School of Renewable Energy Technology, Naresuan University			
13.30-14.30	- Preparation for field trip presentation			
14.30-16.00	- Field trip presentation			
18.00-20.00	- Dinner and farewell party with Thai and Japanese cultural shows			
10 June 2018				
06.00-12.00	- Departure to Suvarnabhumi Airport / Leave for home			Partner school's van

## General Rules and Regulations

The following rules are necessary for all the participants to follow in order to be safer and more convenient while doing daily activities during the science fair.

1. Follow the daily activity in accordance with the TJ-SSF 2018's schedule
2. Uphold good reputation of yourself, group and school.
3. Wear name tag provided by the organizer throughout the event.
4. Wear suitable outfits recommended for each activity.
5. Always be together with other members in your group.
6. Ask for permission from your accompanying teachers whenever there is a need to do something beyond the program activities
7. Obey the rules imposed by visited destinations
8. Keep places clean
9. Keep your personal belongings safe. Any loss of personal belongings (money and other valuable items) will not be the responsibility of the organizing staff.





## Dormitory House Rules

Since the student's participants stay at PCSHS Phitsanulok's dormitories, we require that you adhere to the following house rules.



1. Arrive and leave the dormitory at the specific time and be punctual.
2. Respect others by not disturbing them or making loud noises.
3. Don't bring food, snacks, desserts, or drinks except water, juice and milk into dormitories
4. Keep the dormitory clean.
5. Keep your shoes in order outside the room.
6. Keep your personal belongings safe. Any loss of personal belongings (money and other valuable items) will not be the responsibility of the dormitory staff.
7. Help take care of public properties.
8. Immediately inform your buddies and dormitory staff in case of:
  - emergency
  - feeling sick
  - broken things
  - incidents which may affect the safety in dorm
9. Check your belongings before leaving.



## Part III - Important Reminders for all participants



**Flights** (Updated on April 26, 2018)



Bangkok (Don Mueang Int'l Airport) - Phitsanulok Airport			
Airlines	Flights	Departure	Arrival
Nok Air	DD8400	06:30	07:30
	DD8406	13.50	14.50
	DD8414	17:55	18:55
Air Asia	FD3308	08.10	09.10
	FD3304	12.10	13.10
	FD3306	17.10	18.10
Thai Lion Air	SL550	08.45	09.45
	SL556	14.15	15.15

Phitsanulok Airport - Bangkok (Don Mueang Int'l Airport)			
Airlines	Flights	Departure	Arrival
Nok Air	DD8401	07:55	08:55
	DD8407	15.20	16.30
	DD8415	19.25	20.25
Air Asia	FD3309	09.35	10.25
	FD3305	14.15	15.15
	FD3307	18.55	19.45
Thai Lion Air	SL551	10.30	11.30
	SL557	16.10	17.10

Suvarnabhumi Int'l Airport – Sukhothai Airport			
Airlines	Flights	Departure	Arrival
Bangkok Airways	PG211	07.00	08.20
	PG213	16.00	17.20

Sukhothai Airport – Suvarnabhumi Int'l Airport			
Airlines	Flights	Departure	Arrival
Bangkok Airways	PG212	08.50	10.10
	PG214	17.50	19.10

\*\*\* Please be reminded of the different baggage regulations on each flight to avoid any inconvenience with your baggage during your journey.

## **Health Insurance**

You are required to arrange travel insurance prior to leaving for Thailand. Please study its terms and conditions carefully and make sure that your travel insurance covers expenses which may arise from medical treatment and other related costs. You need to bring your insurance card as well as passport with you to the hospital. In some cases, you may need to pay for your medical treatment and other related costs by yourself as documents you need for an insurance claim may vary.

## **Pack list**

To assist you with packing we prepared a list of everything you will need during your stay at PCSHS Phitsanulok:

### **1. Official documents**

- Passport
- Travel/Health insurance

\*Please take your passport and travel/health insurance with you all the time

(We also recommend you scan your official documents and send them to your own e-mail and your accompanying teachers which can help in case of documents lost.)

### **2. Personal medication (in original containers and package insert)**

### **3. Personal toiletries**

### **4. An umbrella or a raincoat**

### **5. A mosquito repellent**

## 6. Clothes

Date	Clothing	
	Teachers	Students
6 June 2018		
all day	Casual clothing	Casual clothing
7 June 2018		
Opening ceremony	Formal clothing males: dark suit with tie females: dark suit with skirt	School uniform
Oral and poster presentation	Semi-formal clothing	
Welcome party	Semi-formal clothing / traditional costumes	
8 June 2018		
Plenary lecture	Formal clothing males: dark suit with tie females: dark suit with skirt	School uniform
Oral and poster presentation, star exploration	Semi-formal clothing	
principal meeting / teacher show and share / science walk rally	Formal clothing males: dark suit with tie females: dark suit with skirt	
9 June 2018		
Field trip and field trip presentation	Semi-formal clothing	A school T-shirt (if any) and long trousers or jeans or semi-formal clothing
Farewell party	traditional costumes	traditional costumes

## Part IV- Thailand's Culture, Customs & Etiquette

Thailand, officially the Kingdom of Thailand and formerly known as Siam (before 1939), is a country at the center of the Indochinese peninsula in Southeast Asia. It neighbours Myanmar, Laos, Cambodia and Malaysia. Bangkok has been its capital city since 1782. Thailand is a constitutional monarchy. The present king is King Maha Vajiralongkorn Bodindradebayavarangkun (King Rama X.) Thai flag has three colors consisting of red (nation), white (religion) and dark blue (monarchy). The majority of Thai people are Buddhists (approx. 95%). The rest are Muslims (approx. 4.5%- mostly living in the south of Thailand) and Christians (approx. 0.5%).



Thailand : General Information

PHITSANULOK



BANGKOK



Phra Buddha Chinnarat



## Phitsanulok: Tourist Information

Phitsanulok is well-known as the birthplace of King Naresuan the Great (1555-1605) of Ayutthaya Kingdom who freed Siam from Burmese influence in 1584. The most important temple in Phitsanulok is Wat Phra Si Rattana Mahathat, locally known as Wat Yai (meaning big temple), in which one of the most beautiful and important Buddha image of Thailand, Phra Buddha Chinnarat, which was casted during Sukhothai period in the 14th century, is enshrined. The pictures of Phra Buddha Chinnarat are hung in public places nationwide. It is believed that he is one of the most sacred Buddha image in Thailand. A lot of Thai people as well as tourists come to pray to him. At the back of Wat Phra Si Rattana Mahathat there are many shops where you can buy souvenirs for your family and friends as well as local snacks. The most favorite local snack is “solar-dried bananas”. Apart from natural flavor, there are also solar-dried bananas coated with milk, chocolate, almond-chocolate, strawberry or green tea cream waiting for you to try.



Sgt. Maj Dr. Thavi Folkore Museum



Solar Dried-Bananas



## **Phitsanulok: Tourist Information**

Chan Palace Historical Center is a newly-constructed building located in the area of Chan Palace, a royal residence of some Sukhothai and Ayutthaya Kings from the middle of the 14th to the beginning of the 17th century and the birthplace of King Naresuan the Great. Chan Palace Historical Center allows visitors to have insight into the history of Phitsanulok from its founding to the important point of Siamese history: the heroic deeds of King Naresuan the Great.

Another place not to be missed is the Sgt. Maj. Dr. Thavi Folklore Museum where lots of local artifacts in private collections of Sgt. Maj. Dr. Thavi Buranakhate, a local wisdom informant and revered Buddha-image caster, are displayed in a Thai traditional house. Visitors learn local lifestyles and the history of Phitsanulok as well as the Buddha image casting process.



Chan Palace Historical Centre



The Shrine of King Naresuan the Great,  
Mueang District

## Dormitory

Chulalak Dormitory is a new-built dormitory in Princess Chulabhorn Science High School Phitsanulok. The dormitory will be used as sleeping or residential quarters; likewise it is equipped with facilities to provide comfortable accommodation among occupants during their stay. There are two female and two male dormitory teachers who take care of the participants as well as help create a safe, clean living environment within the dormitory.

### First floor:

The first floor of Chulalak Dormitory is designed as a multi-purpose hall. It provides well equipped space appropriate for a wide range of activities for students such as group work meeting, exhibitions and other interactive activities.

### Second floor:

The second floor of Chulalak dormitory is where the male students reside. There are 10 available rooms which would accommodate 5 students per room.

### Third floor:

The third floor of Chulalak Dormitory is the main area for the female students. There are 10 available rooms which would accommodate 5 students per room. All rooms are spacious, and convenient; each room has two toilets and a bathroom with bathroom amenities as follows; soap, toothpaste, shampoo, toilet paper and shower cap.



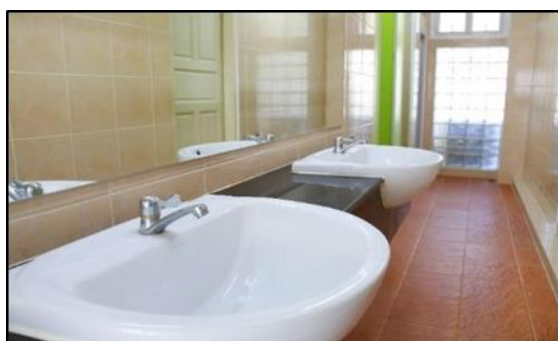
Facade



Backyard



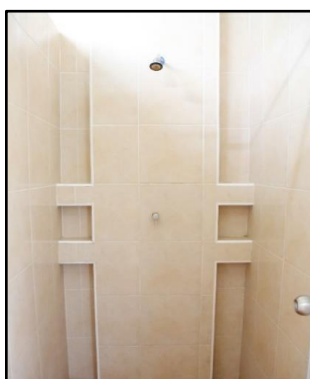
Bedroom Hallway



Wash basins



Toilet



Bathroom



Multi-purpose Hall

## Currency



(old bills and coins [a picture of King Rama IX. on the front] -still valid)

<http://www.si.mahidol.ac.th/seam/aboutthailand.asp>





(new bills and coins [a picture of King Rama X. on the front])

<http://www.bugaboo.tv/watch/371718>

<https://www.thairath.co.th/content/1241024>

Thai baht (THB) is the currency of Thailand. 1 THB is approx. 3.40 JPY. Coins:

**Coins:**

commonly used in Thailand are 1 THB (silvery), 2 THB (two types-silvery and golden), 5 THB (silvery) and 10 THB (golden rounded with silver).

**Banknotes:**

Banknotes commonly used in Thailand are valued 20 THB (green), 50 THB (blue), 100 THB (red), 500 THB (purple) and 1000 THB (grey).



## Internet Connections



As Free Wi-Fi is available throughout school campus, you don't have to buy an extra internet package. However, if you need it for personal purposes, you can buy a Thai SIM card which is available in any convenient stores and service shops of network providers (AIS, DTAC and True). For your convenience, we recommend you buy a Thai SIM card at any of the three network provider shops on the 2th floor of Suvarnabhumi International Airport (right after you pass the customs and walk through the exit) or on the 2nd floor of Don Mueang International Airport (the passage between Terminal 1 and Terminal 2). There are various packages according to each provider.



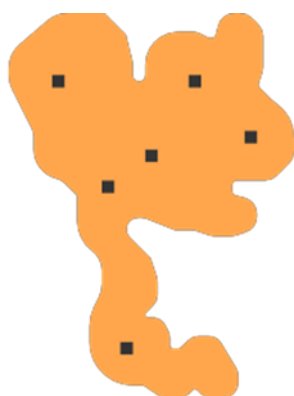
In case of calling, please make sure that you have applied for the roaming service with your national network provider or you can make an international call with your Thai SIM card. Thailand's calling code is +66 and Japan's calling code is +81. As there are various SIM card packages, please ask for more information at your network provider shops.

## Electricity

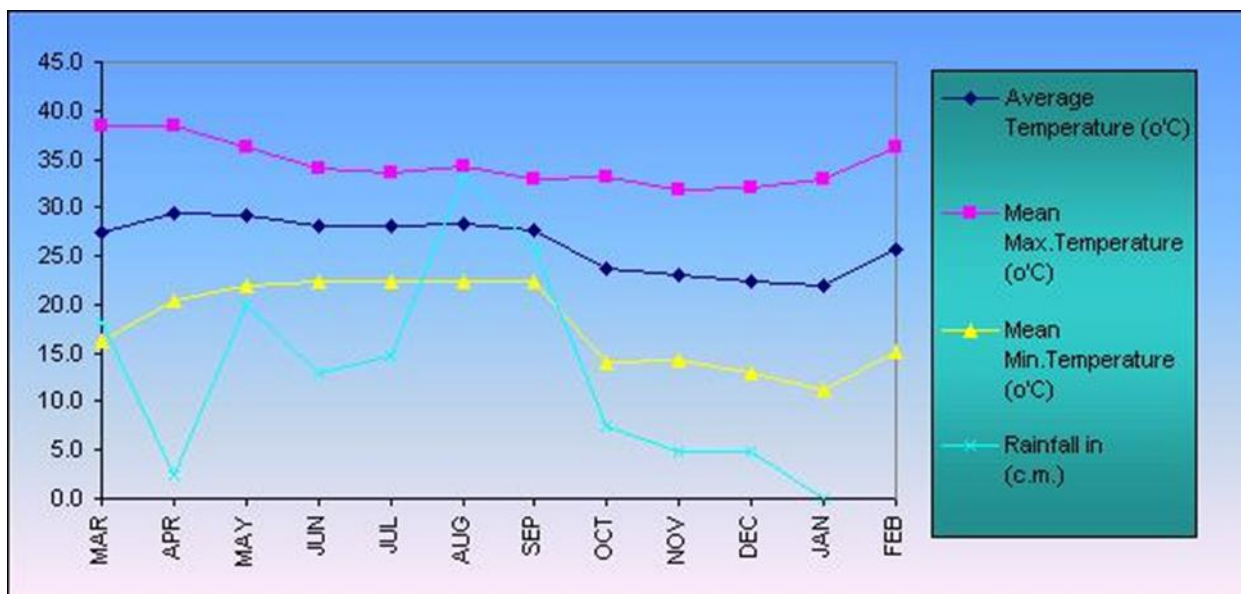
The electricity in Thailand is 220 volts, 50 cycles/sec. As Japan has different voltage, it is not recommended that you use your 110 volt appliances in Thailand because of the risk of damage. However, if the "100~240V" is labeled on your appliances, it means that your appliances are compatible with the voltage in Thailand. As the sockets in Thailand are as follows, you don't have to use a plug adapter.



The time in Thailand is **seven** hours earlier than Greenwich Mean Time. It means **two hours behind** the time in Japan.



## Climate in Thailand



The weather in **Thailand** is classified as hot and humid, with a long monsoon **season**. **Thailand** has three official **seasons** - hot, cool, and wet. The hot season runs from March through to **June**, with April and May the hottest months of the year.

It is generally hot during the month of June, thus we suggest all the participants to dress comfortably, we recommend wearing lightweight, short sleeves shirts. However, we would also like to inform you to appropriately follow dress codes while visiting temples and palaces.

\*Note: For the latest weekly weather forecast please visit:  
<https://www.accuweather.com/en/th/thailand-weather>



## Do's & Dont's While in Thailand

Thais know that foreign visitors have their own customs and different ways of doing things, but if you are aware of some of the do's and don'ts you will earn respect from your Thai hosts. Most importantly of all, be particularly careful about respecting Buddhism and the Thai Royal Family.

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### **1. Do respect all Buddha image .**

Buddha images are held sacred and sacrilegious acts are punishable by imprisonment even if committed by foreign visitors.

### **2. Do dress properly.**

When visiting a temple.

### **3. Do remove your shoes.**

Before entering a temple, somebody's house and even some shops.

### **4. Do try and keep calm.**

No matter what the problem or provocation may be.

### **5. Do enjoy yourself.**

Thais like life to be *sanuk*.

### **6. Do smile a lot.**

Thais are cheerful people.

### **7. Do try and learn.**

a few basic phrases in Thai, like 'hello' and 'thank you'.



### **1. Don't show disrespect towards the Thai Royal Family.**

It's a criminal offence to insult the Royal family.

### **2. Don't touch anybody's head or point anything with your foot.**

### **3. Don't be overly affectionate in public.**

### **4. Don't raise your voice no matter what the problem or provocation.**

### **5. Don't be offended by questions about age, marital status or what you do for a living.**