

# Study Tour Programme to Thailand “The Matriculation Project”

Matriculation Division, Ministry of Education, Malaysia  
27 June – 1 July 2005

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The Matriculation Program is a one-year course in two disciplines: Science and Accounts, preparing students for university entrance to pursue studies in the fields of Science, Technology and Accounts either in the local public universities or institutions of higher learning overseas. The curriculum for the Matriculation Program is equivalent to the **A Level** curriculum.

## 1. COURSE:

Study tour to Education Ministry and Education Institutions in Bangkok, Thailand (equivalent to Matriculation Colleges, Matriculation Division, Ministry of Education Malaysia).

## 2. DATE:

27 June – 1 July 2005

## 3. OBJECTIVES:

- To observe the development of Thailand’s education system, in particular the philosophy and principles of pre university education with respect to the curricula (especially sciences, mathematics, ICT and accounting).
- To observe the innovation in Science and Mathematic, the use of ICT and the management of the education institution which is include the discipline and the motivation for students’ excellence.
- To observe the teaching practice and staff development program for teachers.

## 4. PARTICIPANTS:

Four senior officers from the Matriculation Division, Ministry of Education, Malaysia

- Ahmad Hozi H.A Rahman: Deputy Director of Matriculation Division
- Ahmad Husin: Director Pulau Pinang Matriculation College
- Mohd Ismail Harun: Senior Assistant Director, Matriculation Division
- Dr Sariah Abd Jalil: Senior Assistant Director, Matriculation Division

One officer from Southeast Asian Ministers of Education Organization will accompany the group as a facilitator and interpreter

- Ms Piyapa Su-angavatin, Marketing Officer, or Ms Pimratchada Patanasuthikul , Executive Secretary, Southeast Asian Ministers of Education Secretariat (SEAMEO Secretariat)

**5. PROGEAMME:**

**26 June 2005 (Sun)** Arrival in Bangkok

**27 June 2005 (Mon)**

09.30-12.00

Visit /Meeting with **SEAMEO Regional Centre for Higher Education and Development (SEAMEO RIHED)** and the **Office of Higher Education Commission, Ministry of Education**

Objectives of the visit:

- To understand the philosophy and principles of higher education in general
- To understand the philosophy and principles of pre university education with respect to the curricula (especially science, mathematics, ICT and accounting), courses of studies and the teaching-learning strategies
- To know about the infrastructure provided by the government to the pre university institution i.e., the science laboratory, ICT laboratory and the computer systems.
- To obtain information about the human capital (especially the lecturers at the pre university level) and the development of programs in general.
- Students' support for academic excellence which is provided by universities.

12.00-13.00

Lunch will be hosted by the Office of Higher Education Commission

14.00-16.30

**The Institute for the Promotion of Teaching Science and Technology**

Objectives of the visit:

- To gain information on the latest development in innovative teaching and learning strategies in science, mathematics and technology education.
- To gain information on the research done of the usage of ICT in the teaching and learning of science and mathematics.
- To discuss the possibility of having some kind of collaborative programs between the institution and matriculation colleges in Malaysia.

**28 June 2005 (Tue)**

09.30-12.00

**Srinakarinwirot University – Satit Prasarnmit Secondary Demonstration School**

Objectives of the visit:

- To understand the principles of pre university education with respect to the curricula (especially for students

who wish to continue education in science, engineering, ICT and accounting)

- To gain information on teaching-learning strategies which used by the school
- To observe the infrastructure provided by the school i.e., the science laboratory, ICT laboratory and the computer systems.
- To observe the classroom

12.00-13.00

Lunch at the Halal restaurant nearby the school

14.00-16.30

**Srinakarinwirot University: Faculty of Education and Faculty of Science**

Objectives of the visit:

- To understand the general philosophy of teacher education programs- the core and elective curricula.
- To gain information about the curriculum for teacher education program especially in science, mathematics and computer science
- To observe the classroom

**29 June 2005 (Wed)**

09.30-12.00

**Mahidol Wittayanusorn School: Science School**

Objectives of the visit:

- To understand the principles of pre university education with respect to the curricula (especially for students who wish to continue education in science, engineering, ICT and accounting)
- To gain information on teaching-learning strategies which used by the school
- To observe the infrastructure provided by the school i.e., the science laboratory, ICT laboratory and the computer systems.
- To observe the classroom

12.00-13.00

Lunch will be catered by the school

14.00-16.30

**Mahidol University (Salaya Campus): Faculty of Technology and Mahidol University International College**

Objectives of the visit:

- To understand the curriculum of the first year for the science and technology faculty (the sciences, mathematics and technology including the ICT)
- To understand the general principles used in the teaching and learning processes especially the usage of ICT in delivering the lectures and the conducting the tutorials.

- To understand the academic articulation between the pre university level and the university (especially the first year)
- To observe the infrastructure provided by the university i.e., the science laboratory, ICT laboratory and the computer systems.

### **30 June 2005 (Thurs)**

09.00-11.00

**Triam Udom Suksa School:** Top Public School for the Senior Secondary Education

Objectives of the visit:

- To understand the principles of pre university education with respect to the curricula (especially for students who wish to continue education in sciences, engineering, ICT and accounting)
- To gain information on teaching-learning strategies which used by the school
- To observe the infrastructure provided by the school i.e., the science laboratory, ICT laboratory and the computer systems.
- To observe the classroom

12.00-13.00

Lunch at the Asian Institute of Technology Restaurant

13.00-16.00

**Thammasat University (Rangsit Campus) - Faculty of Science, Faculty of Commerce and Accountancy and Sirindhorn International Institute of Technology**

Objectives of the visit:

- To understand the curriculum of the first year for the science, engineering, technology and commerce faculty
- To understand the general principles used in the teaching and learning processes especially the usage of ICT in delivering the lectures and the conducting the tutorials.
- To understand the academic articulation between the pre university level and the university (especially the first year)
- To observe the infrastructure provided by the university i.e., the science laboratory, ICT laboratory and the computer systems.

### **1 July 2005 (Fri)**

09.00-11.00

**The Grand Palace and Emerald Buddha Temple**

12.00-13.00

Lunch at the Halal Restaurant nearby the Grand Palace

14.00-16.00

**National Science Museum**

### **2 July 2005 (Sat)**

Depart for KL

## 6. THE VISIT PROGRAMME



SEAMEO RIHED



Briefing at the Office of Higher Education Commission, Ministry of Education



Briefing at the Institute for the Promotion of Teaching Science and Technology



Visiting the library of Satit Prasarnmit Secondary Demonstration School



The Saving Energy Classroom –  
Satit Prasarnmit Secondary Demonstration School



Observing the classroom –  
Satit Prasarnmit Secondary Demonstration School



Playing game at the Match Room –  
Satit Prasarnmit Secondary Demonstration School



Briefing at the Faculty of Education,  
Srinakarinwirot University





Observing the Genetic Class,  
Faculty of Science, Srinakarinwirot University



Briefing at the Mahidol Wittayanusorn School



Science Lab at Mahidol Wittayanusorn School



Science and Technology Projects of students –  
Mahidol Wittayanusorn School



The Robotic Class –  
Mahidol Wittayanusorn School



The Robotic Class –  
Mahidol Wittayanusorn School



Library at Mahidol Wittayanusorn School



Briefing at the  
Mahidol University International College



Briefing at the Triam Udom Suksa School



With the Director of Triam Udom Suksa School



Observing the Science Project Class – Triam Udom Suksa School



First award for the Science & Research Project from the 2004 International Science and Engineering Fair, USA – Triam Udom Suksa School



Students presented one of the science project to delegates - Triam Udom Suksa School



The Genetic Class for Year 12 students – Triam Udom Suksa School



Observing the Computer Programming Class for student year 11 – Triam Udom Suksa School



At the Thammasat University, Rangsit Campus





Cultural visit at the Grand Palace and the Emerald Buddha Temple



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Visiting the National Science Museum



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