



North Carolina, USA - [www.STEMstudytours.com](http://www.STEMstudytours.com)

**Tour:** Malaysia – STEM & Design  
**Destination:** Penang & Kuala Lumpur, Malaysia  
**Specialization:** Science, Tech, Design, Art, History & Culture  
**Itinerary:** 12-days / 11-nights including air (USA/Canada)

Malaysia STEM & Design				
Day	Morning		Afternoon	Evening
1	Travel overnight to Penang, Malaysia; meals in flight			
2	Continued travel across dateline			
3	Arrive Malaysia; transfer to hotel; check-in and get settled		Welcome, Safety & Orientation	Dinner
4	Tech Dome Penang Visit + Master Class & introduction to Arduino Board			Dinner
5	Penang Hill	Funicular Train Ride	Escape Adventure Nature Park	Dinner
6	Penang Science Center - Robotics & 3D-Modeling & Printing Master Class			Dinner
7	Transfer to Kuala Lumpur	Spritzer Water Factory & Eco-Park with Guided Plant & Factory Visit		Check-in & free time Dinner
8	Heritage Walk, Dataran Merdeka	KL City Gallery Museum & Historical Showcase	ARCH DIY Workshop	KL Craft Complex; Batik Painting Master Class Dinner
9	Kuala Lumpur Communications Tower	Petrosians Discovery Center (Energy)		Royal Selangor Pewter Company + Master Class Dinner
10	Paddy Rice Processing Factory - Factory Tour & Master Class		Gardenia Bread Factory - Food Science Processing Tour	Dinner
11	Coralc Atelier - Leather Craft Workshop		University of Malaysia Engineering Department Visit	Dinner
12	Depart Kuala Lumpur International Airport for Home			

NOTE: Dependent upon your origination, you may have a single outbound overnight flight or 2-nights outbound. Most USA and Canada schools will have 2-nights outbound, while UK & European schools will have a single night outbound.



As with all sample itineraries, please be advised that this is an 'example' of a schedule and that the activities and hotels shown may be variable dependent upon dates, weather, special requests and other factors. Itineraries will be confirmed prior to travel.



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## Days 1 & 2

*Overnight flights; meals in flight*

Sample air hours from Los Angeles: 21+-hours in flight.

## Day 3

*Meals in flight; dinner in destination*

**Welcome to Malaysia!** Upon arrival in Penang and after immigration and customs formalities, our English-speaking guide will be there to welcome us to this fabulous country. After hotel check-in, we will take some time to get settled after our long flight and have our Welcome, Safety & Orientation Meeting.

*Malaysia...* Located just south of Thailand on the Malay Peninsula, Malaysia is a tropical paradise in the heart of southeast Asia. It's perhaps best known for its beaches, rainforests, and its wealth of natural beauty and impressive scenery. The capital, Kuala Lumpur houses the tallest twin towers in the world, while its islands are home to some of the most beautiful dive areas you can see. Natural beauty, history and a diverse and varied culture await students visiting Malaysia. Split over two tropical landmasses, Peninsula Malaysia and East Malaysia, this multicultural and biodiverse nation is the third largest economy in Southeast Asia. Malaysia continues to develop innovations that benefit a well-developed infrastructure within Asia, making it a fantastic experiential learning journey for our students.



## Why should you take your school group to Malaysia?

**Environmental & Developmental Initiatives** – The strength of programs within Malaysia make this country very attractive to students interested in ecology, biology, the arts and human communities.

**Cultural Studies** – Malaysia has an ethnically diverse population with a unique mix of Malay, Chinese, Indian and European cultural influences along with the awesome UNESCO World Heritage Sites of architectural heritage in Malacca and Georgetown.

**Economics** – Malaysia is a medium-income country. Its developing economy is highly dependent on commodities, namely petroleum and agriculture products such as palm oil. In this, the dilemma facing the current government is the possible negative effects that the increased industrialization, pollution and deforestation may have on this important part of Malaysia's economy. Do you have a solution?

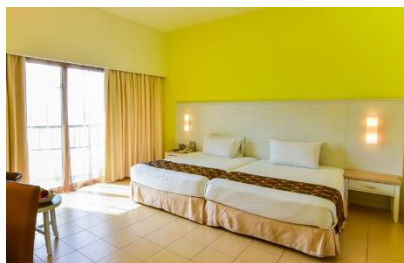
**Ecosystems** – Discover and learn about Malaysia's tropical environment from Taman Negara, one of the world's oldest tropical rainforests, to the sustainable Mangrove forests. An array of discovery awaits students in learning about the natural habitats for wildlife, flora and fauna.



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**Sample Hotel: Flamingo Beach Resort** – Conveniently located not too far away from the heart of Georgetown and the calmness of Batu Ferringhi, Flamingo brings you the true meaning of Malaysia. This blend of traditional and modern comforts promises groups a delightful rest. With 280 guestrooms, all rooms are designed with your comfort in mind. Guest amenities include complimentary internet access, fitness center, meeting facilities, hair dryers, in-room safes, coffee & tea facilities and more. Students share rooms sleeping in individual beds. Breakfast is taken at the hotel.



#### **Day 4**

*Breakfast & dinner, lunch on own*

Rise and shine Malaysia! Today is all about technology as we visit Tech Dome Penang.

**Tech Dome Penang & Master Class** - Today we'll be visiting the Tech Dome Penang which is located the Geodesic Dome of KOMTAR. It houses over 120 interactive scientific and technology exhibits. Exhibit galleries include Information Technology, Life Tech, Optics, Electromagnetism, Forces and Motion and provide students with an immersive and experiential presentation on the marvels of science and technology.



Enjoy the morning discovering at leisure and then in the afternoon, students will participate in a **Tech Master Class**, approximately 3-hours, as an introduction to **Arduino Board**. After, we will have some time to take in our new surroundings. Perhaps a swim in the pool or a beach walk? Dinner will be at the hotel this evening.

#### **Day 5**

*Breakfast & dinner, lunch on own*

Good morning Penang! Today we will discover some of the history of stunning Malaysia. In the afternoon, we will go to an amazing eco-resort that is sure to thrill every student and staff member!

This morning, we will depart for **Penang Hill**, one of the oldest colonial hill stations established by the British during their time in Malaysia, dating back to the late 1700's. With an elevation greater than 2,000-feet above sea level, Penang Hill offers the best panorama of Penang Island.



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Also included is a return funicular train ride which was built in 1923 and is one of the world's oldest railway funicular systems with a track known as being the longest in Asia.

After exploring Penang Hill, in the afternoon we will travel to the amazing **Escape Adventure Park**, an adventure theme park with exciting and challenging activities in the natural surroundings. The attractions enable participants to swing, climb, balance, leap, slide, and even to explore and pan for treasures. It's a **world class eco-theme park** which offers an enjoyable and refreshing experience and where fun and learning co-exist.



When we've had our fill of climbing, swinging and leaping, we'll head back to the hotel for dinner and the magnificent ocean view.

## Day 6

*Breakfast, lunch & dinner*

Hello Malaysia! Today we will set our focus on robotics with a visit to the Penang Science Center.



**Penang Science Center and Master Class** – Penang Science Center is an industry-led initiative in collaboration with the State Government. PSC inspires students through hands-on, inquiry-based science and technology programs. PSC supports 200+ schools in TechMentor Lego Robotics, Embedded Systems, Coding and Radio Astronomy programs. Today, students will enjoy a **full-day program of Robotics and 3D modeling & printing** at the Penang Science Center.



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After our full day at the Science Center, we'll head back to our hotel for rest and relaxation. We will also start to gather our gear because tomorrow we check-out and travel to Kuala Lumpur.

## Day 7

*Breakfast & dinner, lunch on own*

Rise and shine Penang! Today will be an exciting day as we set off for Kuala Lumpur, approximately 4-hours' drive time plus stops, with some fun sightseeing on the way. After checking out of our hotel, we will be leaving Penang via the 5<sup>th</sup> longest bridge in the world!



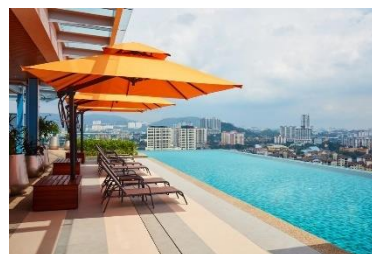
En route, we'll be visiting the Spritzer Water Factory and Eco-Park.

**Spritzer Water Factory & Eco-Park with Guided Plant Visit** - As Malaysia's best-selling natural mineral water, students will have a guided plant visit to the bottled water manufacturer and learn about the factory processing capability and the five sources where the mineral water is tapped.



When we arrive in Kuala Lumpur, we'll get checked in to our new hotel. We'll have dinner and then the night is ours, free to explore!

**Sample Hotel: Sunway Velocity Hotel** – Sunway Velocity Hotel is located just 10 minutes from Kuala Lumpur city center. The 16-story hotel with striking façade forms part of the vibrant self-contained Sunway Velocity development, directly connecting the hotel to Sunway Velocity Mall and Sunway College. The hotel features a rooftop infinity swimming pool and fitness center. Room amenities include complimentary Wi-Fi, LED TV, walk-in shower, and coffee and tea facilities. Rooms have 2 beds per room, sleeping 2 students or staff per room.



## Day 8

Breakfast & dinner, lunch on own

Good morning Kuala Lumpur! Today is about history and design. We will start with a heritage walking tour followed by the City Museum and then a Batik workshop!

**Dataran Merdeka Colonial Heritage Walking Tour** - This tour of the historic heart of KL covers many famous colonial-era landmark buildings clustered in a compact area surrounding Merdeka Square. Merdeka Square is in front of the Sultan Abdul Samad Building. Literally Independence Square, it was formerly known as the Selangor Club Padang or simply the "Padang" and was used as the cricket green of the Selangor Club. [LINK](#)



**KL City Gallery Museum** - Kuala Lumpur City Gallery tells the story of Kuala Lumpur's past, present and future through miniatures. It is located right in Independence Square and is an excellent starting point for students to learn about the history of Kuala Lumpur in an engaging and informative fashion. As well as a photographic record of the city entitled "Old Kuala Lumpur", there is a scale model of Merdeka Square. The highlight is "The Spectacular City Model Show", the largest and first of such kind in Malaysia. The massive model measures an incredible 40' x 50' which showcases the city's past, present and future through a light and sound presentation. There are 9 immersive and innovative exhibits.



Students will also enjoy an **ARCH DIY** workshop where they will experience making of fine and delicate hand-assembled gifts made in Malaysian wood veneer.



Next up is the Kuala Lumpur Craft Complex.



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**Kuala Lumpur Craft Complex & Batik Master Class** - The city's iconic art center offers architecture showcasing a collection of traditional as well as modern contemporary handicrafts products from across the country. Students will experience the art of batik painting at the **Kuala Lumpur Craft Complex Batik Workshop**. Instructors will provide you with silk canvases and colored inks, before showing you the required techniques to produce elegant pieces.



After our dull day based in history and design, we'll have dinner and then night is free for us to explore.

### **Day 9**

*Breakfast & dinner, lunch on own*

Hello Malaysia! Today our focus includes communication and technology, STEM and energy transformation plus wraps up with an additional craft project working with pewter. Enjoy!

**Kuala Lumpur Communication Tower** – Commence this morning for a visit to the Kuala Lumpur Tower, a magnificent sky deck and viewing tower. The tallest telecommunication tower in South East Asia & the 7th tallest in the world, it stands at 421 meters and offers spectacular views of Kuala Lumpur City skyline day and night. KL Tower is located within Bukit Nanas Forest Reserve, one of the oldest forest reserves in the country – blending the Tower seamlessly with Nature. In fact, KL Tower is the only tower in the world located within a forest!



**Petrosains Discovery Centre** - Petrosains is a gateway to inspire STEM learning. The sequence of the exhibits in Petrosains traces the evolution and scientific relevance of **the energy industry** while also focusing on general sciences and its application to everyday life. The interactive exhibits combined with hands-on activities and live science shows offer students a more engaging and immersive learning experience. Petrosains is a wholly owned subsidiary of PETRONAS, Malaysia's fully integrated oil and gas multinational corporation.

**Royal Selangor Tour & Workshop** - Our final visit is to Royal Selangor which is the world's largest pewter company, renowned for its innovative design and craftsmanship to create objects of desire in precious pewter. At the visitor center, students will be given the chance to manipulate this malleable and versatile metal. Join the fun and interactive School of Hard Knocks to get well acquainted with pewter. **Students will be guided through the process of creating a pewter dish using traditional tools such as the hammer and wooden mold.**



After dinner, we will have free time for rest and relaxation.



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## Day 10

*Breakfast & dinner, lunch on own*

Rise and shine Kuala Lumpur! Today we will be taking a look at the scientific process of food production. We will first look at rice production followed by bread.

**Paddy Rice Processing – Factory Master Class Tour** - Visit the Paddy Rice Processing Factory, located in Sekinchan, a major rice producing area in Malaysia. With huge paddy fields and an acreage of 4,300 acres, students will **learn the complete life cycle of rice planting**. The factory tour starts off with a video presentation that shows the rice processing steps from seeds to fertilization and harvesting. Following this is a viewing of the rice processing factory.



**Gardenia Bread Factory & Tour** – The largest bakery line in South East Asia, Gardenia's bakery tour is a specially structured program for students that serves to educate about the unique method of bread-making, where specially selected wheat comes from, and how modern technologies are used with traditional baking methods.



After our full day of learning about food science, we'll have dinner and then evening is free to explore!

## Day 11

*Breakfast & dinner, lunch on own*

Good morning Malaysia! This morning we will work further on design with a leather workshop. In the afternoon we will participate in either a school or university visit.

**Coralc Atelier & Leather Craft Workshop** – With 32 years in leather imports and wholesale business, Coralc Atelier specializes in handmade leather goods using premium quality leather. The team at Coralc shares their knowledge and inspirations through a specialized workshop for your students. Acquire the fundamental of leather crafting through theory, progressive, visual and hands-on skill development. This studio in Seri Kembangan is well equipped with various types of leather, hand tools, machines, materials and hardware for leather making, and several handmade designs to inspire.



In the afternoon we will travel to a school visit. Please let us know for your preference of an English-based independent school or a University campus visit.

**University of Malaysia Campus Visit** – UM, Malaysia's oldest university, is situated on a 922-acre campus in the southwest of Kuala Lumpur. It was founded in 1905 in Singapore as the King Edward VII College of Medicine and in 1949, became the University of Malaya with the merger of the King Edward VII College of Medicine and Raffles College. The University of Malaya derives its name from the term 'Malaya' as the country was then known. The growth of the University was very rapid during the first decade of its establishment and this resulted in the setting up of two autonomous Divisions, one located in Singapore and the other in Kuala Lumpur. In 1960, the government of the two territories indicated their desire to change the status into that of a national university. Legislation was passed in 1961 and the University of Malaya was established in 1962.



UM is one of the top 60 universities in the world. It is also the oldest university in Malaysia and is the highest-ranking Malaysian institution of higher education. The university has graduated three prime ministers of Malaysia, and other political, business, and cultural figures of national prominence. Today, UM has more than 2,500 faculty members and is divided into thirteen faculties, two academies, five institutes and six academic centers.

This evening we will have our farewell dinner and get ready for our departure.

## **Day 12**

*Breakfast (dependent upon flight times)*

Hello Kuala Lumpur! Today we will have free time until hotel check-out and our transfer to the Kuala Lumpur International Airport. We're hoping that you are inspired and taking home wonderful memories that will last a lifetime!



## MALAYSIA STEM & DESIGN

**Minimum Booking Numbers:** 15 students

**What's Included:**

- Roundtrip international flights (open jaw flights into Penang, out of Kuala Lumpur)
- 9-nights' accommodation in Malaysia
- Airport transfers, group transfers and public transport passes, dependent upon path/location
- Breakfasts & dinners daily starting with dinner on arrival and ending with breakfast on departure
- Tech Dome Penang & Arduino Board Master Class
- Penang Hill excursion with Funicular Train Ride
- Escape Adventure Nature Park
- Penang Science + Robotics & 3D Modeling & Printing Master Class
- Spritzer Water Factory, Eco Park & Factory Tour
- Heritage Walking Tour in Dataran Merdeka
- Kuala Lumpur Gallery Museum & Historical Showcase
- ARCH DIY Workshop
- LK Craft Complex & Batik Painting Master Class
- Kuala Lumpur Communications Tower
- Petrosians Discovery Center
- Royal Selangor Pewter Company Tour & Pewter Master Class
- Paddy Rice Processing Factory – Tour & Master Class
- Gardenia Bread Factory – Food Science Processing Tour
- Coralc Atelier Leather Craft Workshop
- University of Malaysia Campus Visit OR Independent High School
- Personal Tour Ambassador (Local)
- Fund-a-Forest: A tree is planted in the name of each guest
- Dollar\$ For Scholars: \$2 donation in the name of each guest
- 24-hour emergency cover

**What's Not Included:**

- Airport transfers in your home area
- Lunches and snacks, payable on own
- Meals on travel days other than shown
- Fully comprehensive insurance (mandatory)
- Transportation not indicated in itinerary
- Cost of visas, full or collective passports
- Cost of inoculations or medication required for travel
- Additional sightseeing & entertainment options
- Hotel incidental bills – meals, mini-bar items, recreation, purchases billed to room, etc.
- Any gratuities – drivers, hotel services, ambassadors, specialty guides
- Additional taxes, fuel surcharges or service charges levied by the governments or our suppliers
- Baggage handling

As always, our staff are always available to you to answer any questions you may have regarding programming.  
If we may serve you in any way, please do not hesitate to contact us.



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