

# DISCOVA

EDUCATIONAL TRAVEL



SINGAPORE

S.T.E.M. Tour

10 DAYS / 9 NIGHTS - SAMPLE ITINERARY





# The future is here: Advanced learning in Singapore

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A famed Asian hub of thriving economy, sustainable urban planning and pioneering technology, Singapore is one of the best suited destinations in the world for a S.T.E.M. (Science, Technology, Engineering, Mathematics) tour.

Your group's schedule will be jam-packed with educational highlights. A visit to the awe striking Jewel Changi Airport, a full-day S.T.E.M. workshop on drone-making at the Singapore Science Centre, educational insight at the Singapore Sustainable Gallery, and a lab visit at the National Technological University are just the start of an incredible list of intriguing activities on offer during this itinerary.

Beyond the technical, students will also enjoy the world's first Night Safari and a fun-filled visit to the destination's very own Universal Studios. There may be no place more impressionable (and impressive) for a tour of this nature, than one of the world's leading global economies.





## TRIP OVERVIEW

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**Arriving:** 2022/2023

**Departing:** 2022/2023

**Number of Days:** 10 Days / 9 Nights

**Number of Participants:**

TBA

**Accommodation – Based on a 3-star standard**



**Singapore**

10 days



**Singapore**

IBIS Singapore on Bencoolen or similar

**Number of Meals:** as mentioned in the itinerary



**Your Travel Designer**

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**Hanh Nguyen** – [nhuhanh.nguyen@discova.com](mailto:nhuhanh.nguyen@discova.com)







## TRIP INCLUSIONS

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The group will stay at **mentioned hotel**



A single supplement will be charged if anyone wants to stay in a single room



Meals as mentioned



Local English-speaking guide



Tours and transfers as mentioned with AC vehicle



Sightseeing fees and permits during guided time



Service charge and current government tax

## TRIP EXCLUSIONS

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VISA and international flights



Expenditure of a personal nature



Travel insurance (compulsory)





DAY 01

## GROUP ARRIVAL & JEWEL CHANGI AIRPORT TOUR

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Upon arriving at Changi International Airport, you will be met by your English-speaking guide. While your luggage is delivered by van to your hotel, you will head on a tour of Jewel Changi Airport.

Your guide will introduce you to the fascinating sights of the airport, including the Crystal Clouds, HSBC Rain Vortex and Shiseido Forest Valley. Here you will also discover the exciting virtual world of Jewel Changi with amazing projection experiences, interactive games and immersive shows. In this first-of-its-kind digital attraction, experience the magic of technology and aviation, and find out what makes this airport unique. Next up is a visit to a curated list of shops, where you'll learn more about local lifestyles with an introduction to popular, well-designed products.

Board the coach for the transfer to the hotel for check-in.

**Meals:** Nil

**Accommodation:** IBIS Singapore on Bencoolen or similar







DAY 02

## FULL-DAY S.T.E.M. WORKSHOP AT SINGAPORE SCIENCE CENTRE (B)

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Board the coach in the morning to the Singapore Science Centre for an incredible, full-day STEM workshop in drone-making. Here students will learn about the intricacies behind the ever-growing technology.

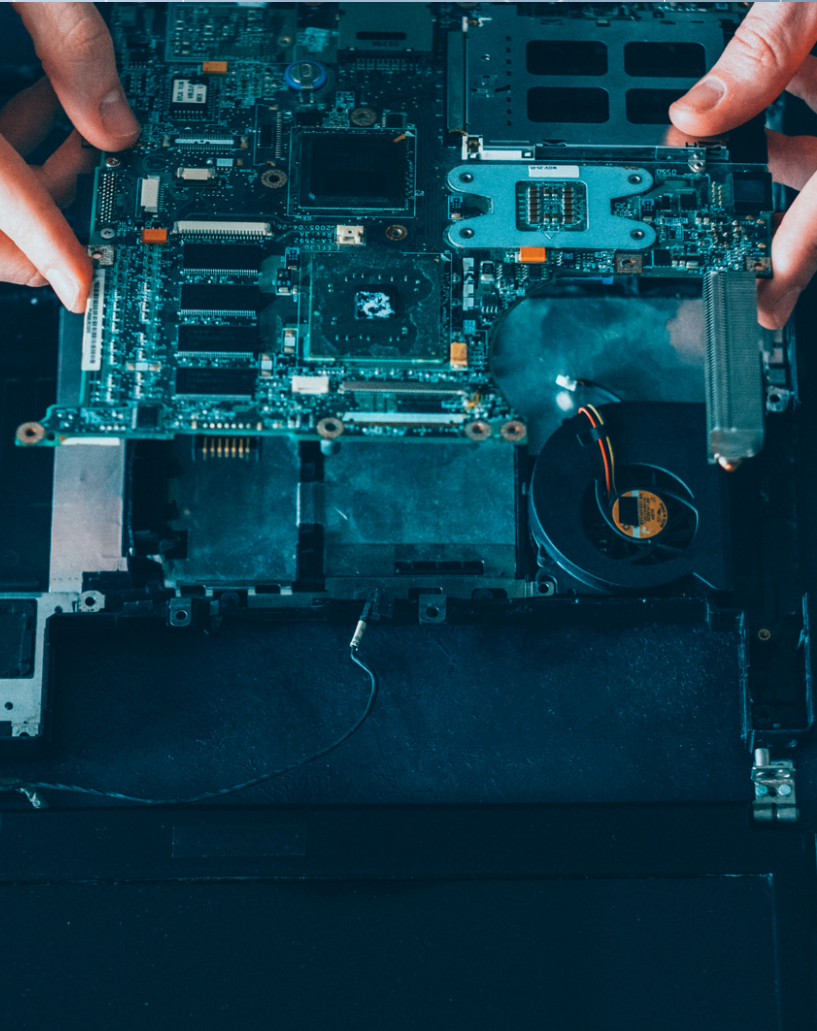
- |                        |  |
|------------------------|--|
| <b>S - SCIENCE</b>     | Principles of flight; material science; aerodynamics; centre of gravity; forces; gyroscopic torque   |
| <b>T - TECHNOLOGY</b>  | Use of microcontroller & coding; use of a variety of materials; sensors, motors & other effectors, working principles behind electronic components |
| <b>E - ENGINEERING</b> | Use & testing of a variety of materials; choosing materials for the drone chassis; engineering efficient design for flight                         |
| <b>M - MATHEMATICS</b> | Effect of propeller parameters on flight; effect of motor efficiency & power; calculation of flight paths; calculation of flight times             |

Lunch will be enjoyed on the group's own arrangement - great dining spots are easily found at the Singapore Science Centre.

Enjoy dinner on the group's own arrangement and head back to the hotel via public transport.

**Meals:** Breakfast

**Accommodation:** IBIS Singapore on Bencoolen or similar







## LITTLE RED DOT CITY HIGHLIGHTS, ARTSCIENCE MUSEUM & MARINA BAY SANDS SKYPARK (B)

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In the morning, head to Clarke Quay via public transport and start your adventure by hopping on-board a traditional bumboat, a humble mode of water transportation that has operated ferry goods and people across the Singapore River for decades. Set sail across the watery stretches bound for Merlion Park, home to a magnificent statue and water fountain. Take in beautiful views of Marina Bay's waterfront and snap a few photos at the iconic Merlion statue. Next, explore the culturally and historically rich Civic District by foot.

Enjoy lunch at a nearby shopping mall on the group's own arrangement.

After lunch, continue on to the Singapore ArtScience Museum. Immerse yourself in a world of art, science, magic and metaphor through a collection of digital interactive installations at Future World: Where Art Meets Science.

Enjoy dinner at Marina Bay Sands food court on the group's own arrangement.

Return to your hotel via public transport.

**Meals:** Breakfast

**Accommodation:** IBIS Singapore on Bencoolen or similar







DAY 04

## EVENING TOUR – NIGHT SAFARI WITH DINNER (B,D)

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During the morning and afternoon, enjoy some free time at leisure. Your local guide will not be with the group during this time.

Meet your guide at the hotel lobby at 6pm and start your evening tour with a unique dining experience reminiscent of the kampungs (villages) of old in Ulu Ulu Safari Restaurant, situated in a cosy area of Night Safari.

The world's first, Night Safari is set in 40 hectares of secondary jungle, and will unfold the mystery and drama of the tropical jungle after dusk with stunning effects. See a myriad of nocturnal animals, from fierce predators to timid forest dwellers, in this natural habitat under subtle moonglow lighting. Habitats are specifically designed to replicate natural environments like the Himalayan Foothills, the Southeast Asian Rainforest and the Indian Subcontinent.

There will also be an opportunity to catch either the Thumbuakar fire-eating skills performance OR a 20-minute animal extravaganza at the Creatures of the Night Show, subject to weather conditions.

Board the coach and head back to the hotel.

**Meals:** Breakfast / Dinner

**Accommodation:** IBIS Singapore on Bencoolen or similar







DAY 05

## **EDIBLE GARDEN CITY, SINGAPORE SUSTAINABLE GALLERY @ MARINA BARRAGE & GARDENS BY THE BAY (B)**

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In the morning, meet your local guide at the hotel lobby and board the coach to Edible Garden City for a talk and tour. The Edible Garden City team will share their vision for the future of farming in Singapore. During the talk, solutions for food security, food waste and social issues like an ageing population and social inequality, will be discussed.

Next, visit the Sustainable Singapore Gallery @ Marina Barrage. The gallery presents an overview of Singapore's commitment to sustainable development.

Walk over to Gardens by the Bay for lunch at the food court on the group's own arrangement.

Step inside two indoor conservatories (Cloud Forest and Flower Dome) at the Gardens by the Bay. Housed within enormous glass domes, these are the structures that tower over surrounding urban stretches. Stop and take in the scents of the multi-coloured Flower Field, a regularly changing floral display that reflects seasons, festivals and themes. Peer up at Cloud Forest's 35-metre high indoor waterfall - the highest in the world.

Enjoy dinner on the group's own arrangement before returning to the hotel via public transport.

**Meals:** Breakfast

**Accommodation:** IBIS Singapore on Bencoolen or similar







DAY 06

## MELTING POT DISCOVERY, SINGAPORE MOBILITY GALLERY & SINGAPORE CITY GALLERY (B)

In the morning, head to Kampong Glam via public transport. Stop at the landmark Sultan Mosque and its captivating golden dome, stopping for a while to browse the shops here that sell traditional wares and exquisite fabrics. Then, head to Arab Street, home to stalls selling handmade perfumes and traditional Malay dresses. Next, head to Little India and discover this uniquely vibrant and colourful district.

Continue on to the Singapore Mobility Gallery, where you'll get a behind-the-scenes glimpse at how the Land Transport Authority in Singapore plans, designs and builds the city's transport system while balancing efficiency, livability and inclusivity as it leverages technology for smarter urban mobility.

The group could have lunch at Maxwell food centre in Chinatown on own arrangement.

After lunch, visit Singapore City Gallery for an in-depth look at how urban planning transformed the future of this incredible city-state decades ago.

Explore the streets of Chinatown packed with traditional medicinal halls and goldsmiths, and continue towards the breath-taking Buddha Tooth Relic Temple and Museum - a scarlet red monolith built in traditional Chinese style - before heading to Sri Mariamman Temple, the oldest Hindu temple in Singapore.

Enjoy dinner on the group's own arrangement before heading back to the hotel via public transport.

**Meals:** Breakfast

**Accommodation:** IBIS Singapore on Bencoolen or similar







DAY 07

## HALF-DAY TOUR – NEWATER VISITOR CENTRE & HIVERLAB (B)

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Board the coach and head to the NEWater Visitor Centre (NVC), an education hub that promotes water sustainability in Singapore.

Lunch enjoyed at group's own arrangement.

After lunch, visit the Hiverlab, Singapore's award-winning homegrown media technology company, focusing on immersive technology. The workshop enables students to understand different AR/VR and gain an understanding of the process of creating a AR/VR solution based on a case study.

Return to the hotel and spend the rest of the day freely at your leisure. Dinner is not provided on this day.

**Meals:** Breakfast

**Accommodation:** IBIS Singapore on Bencoolen or similar



DAY 08

## HALF-DAY LAB VISIT @ NATIONAL TECHNOLOGICAL UNIVERSITY & MEDIACORP VISIT (B)

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Board the coach in the morning and start your journey to the exceptional National Technological University for lab tours in the Wind Tunnel, Robotics Lab, Air Traffic Control Tower, Singapore Centre for 3D Printing and the Innovation Lab (Home of MAE's 3D Printed Cars).

The group could have lunch at the National Technological University on their own arrangement.

Next, travel via coach to Mediacorp and go behind-the-scenes for a tour like no other! In-house guides will lead the group through a 60-min interactive journey through the world of media and broadcasting. Discover 15 specially curated exhibits that will both thrill and educate you on the fast-changing media landscape.

The group could have dinner at the nearby shopping mall on own arrangement before heading back to the hotel.

**Meals:** Breakfast

**Accommodation:** IBIS Singapore on Bencoolen or similar





DAY 09

## UNIVERSAL STUDIOS SINGAPORE (B)

Board the coach in the morning to Sentosa Island and enjoy a fun-filled day at Universal Studios Singapore. Go beyond the screen and experience cutting-edge rides, shows, and attractions based on your favourite blockbuster films and television series.

Lunch will be organised at the group's own expense within Universal Studios Singapore.

Before heading back to the hotel, the group could enjoy dinner at a local restaurant within Sentosa Island on own arrangement.

**Meals:** Breakfast

**Accommodation:** IBIS Singapore on Bencoolen or similar



DAY 10

## DEPART SINGAPORE (B)

Our English-speaking guide will meet you at the hotel for your transfer to Changi International Airpor for your flight back home. Rooms are at your disposal at noon, and meals are organised at own expense.

**Meals:** Breakfast

**Accommodation:** Nil

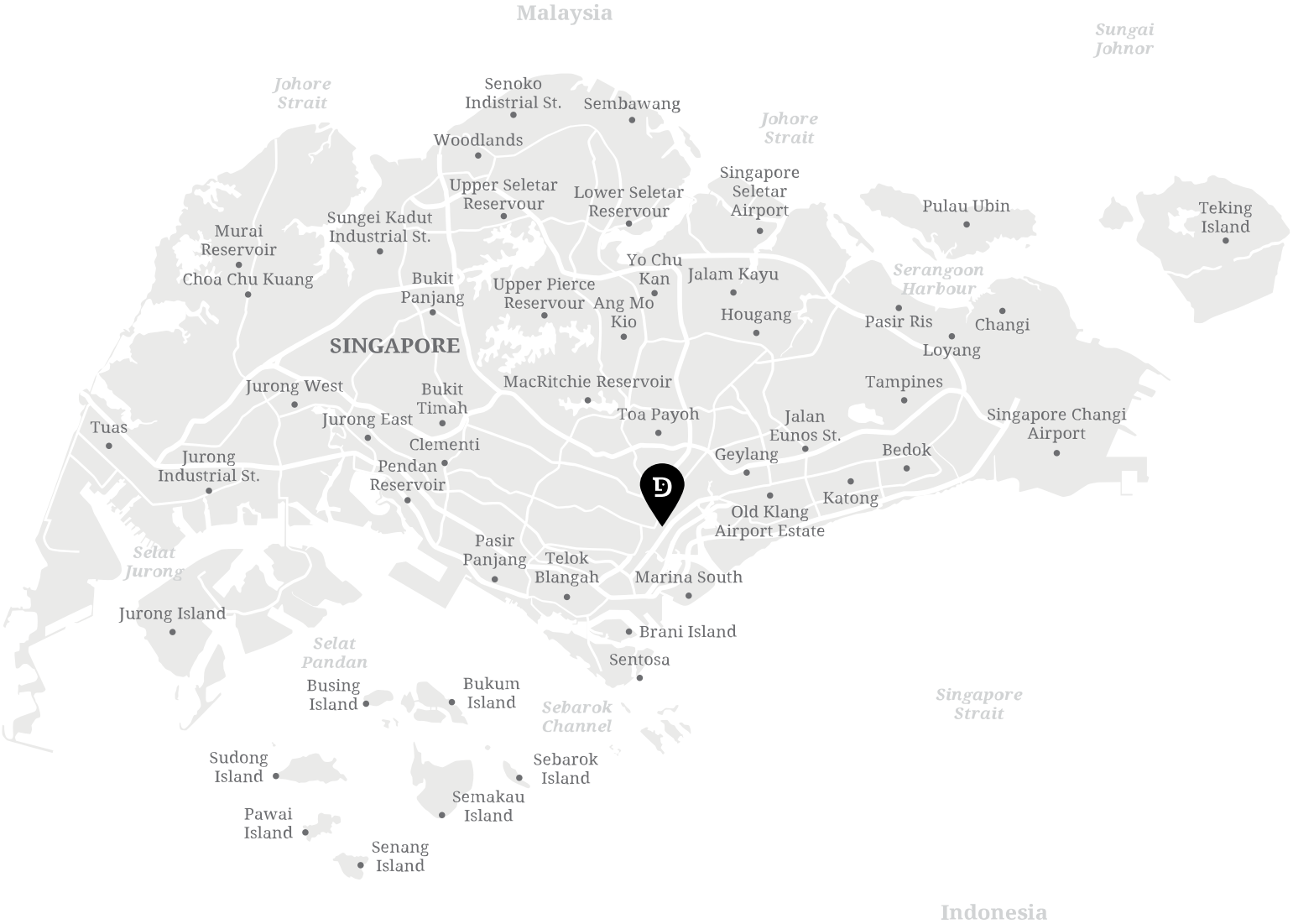
**Do you have a group of students interested in this tour or do you want to explore what we can do for your organisation in Singapore or elsewhere?**

**TALK TO US TODAY!**























[educationaltravel@discova.com](mailto:educationaltravel@discova.com)



# SINGAPORE



## 📍 Climate & Weather Averages in Singapore

	Destination	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
 Cold	Singapore												
 Warm													
 Hot													
 Rain													

The above are general indications and actual climate in Singapore may vary.



# DISCOVA

EDUCATIONAL TRAVEL



## Cross-cultural educational experiences for a better future

**Educational programs and meaningful experiences for schools, university groups and more, that alleviate poverty, foster inter-cultural relationships, and preserve local cultures & environments.**

- ✓ Sustainability Development Programs
- ✓ Curriculum-based Tours (History, Art...)
- ✓ Service Learning
- ✓ Community Health Education
- ✓ Charity Challenges
- ✓ Mindfulness Through Outdoor Education



# DISCOVA

## EDUCATIONAL TRAVEL

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[www.discova.com/educational-travel](http://www.discova.com/educational-travel)

**We live locally**

30 Cecil St,  
#22-01/08 Prudential Tower,  
Singapore 049712.

**We are here when you need us**

[educationaltravel@discova.com](mailto:educationaltravel@discova.com)

