



✦ OFFICIAL SCHOOL STUDY CIRCUIT

4D3N Singapore STEM, Sustainability & Discovery Explorer

An immersive, experiential curriculum bridging world-class science laboratories, circular water engineering, national crisis resilience simulations, and ecological biodiversity across Singapore—the world's safest live classroom.

TARGET COHORT
Schools (Grades 6–12)

DURATION
4 Days / 3 Nights

CHAPERONE RATIO
1:10 Free Teachers

STARTING FROM
SGD ~580 / INR ₹36.8K

● CORE ACADEMIC FOCUS & SYLLABUS ALIGNMENT

HANDS-ON STEM & MOLECULAR BIOLOGY

- ✓ Live DNA extraction and molecular sequencing inside certified Science Centre laboratories.
- ✓ 8K Digital Omni-Theatre planetarium astrophysics & climate simulation.
- ✓ Kinetic Garden physics mechanics: pulleys, levers, hydraulics, and acoustic resonance.

URBAN ECOLOGY & CIRCULAR WATER TECH

- ✓ Marina Barrage 9 crest gates and tidal flood alleviation civil engineering.
- ✓ Gardens by the Bay Cloud Forest mist mountain vertical farming & climate controls.
- ✓ Study of UN Sustainable Development Goals (SDG 6, 7, 11 & 13) in action.

STRATEGIC LEADERSHIP & DEFENCE TECH

- ✓ Singapore Discovery Centre crisis leadership command room escape simulation.
- ✓ Augmented reality timeline of Singapore's journey from colonial outpost to global hub.
- ✓ Cross-cultural community trails exploring Singapore's harmonious multiculturalism.

WILDLIFE CONSERVATION & MARINE BIOLOGY

- ✓ Night Safari nocturnal wildlife behavioral study & global conservation briefing.
- ✓ S.E.A. Aquarium coral reef preservation & ocean ecosystem biome maintenance.
- ✓ Interactive reflection journals for students to document key academic takeaways.

UNCOMPROMISING SAFETY & STUDENT WELFARE

24/7 on-ground Flying Wonders Tour Director • SGD 50,000 Medical & Evacuation Cover • Verified 1:10 Chaperone System • Certified Halal / Pure Vegetarian / Jain Meals.

100% Verified DMC



DAY 01 Arrival, Changi Canopy Tech & Science Centre Journey			STEM Mechanics
MORNING Flight arrival at Singapore Changi Airport. Jewel Rain Vortex 40m indoor waterfall engineering walkthrough.	AFTERNOON Guided immersion at Singapore Science Centre: interactive molecular lab, DNA sequencing & Kinetic Garden.	EVENING 8K Digital Omni-Theatre planetarium astrophysics screening. Welcome group dinner (Halal/Veg/Jain).	
LEARNING OUTCOME: Hands-on physics, astrophysics, and molecular biology inside accredited laboratories.			
DAY 02 Urban Ecology, Water Security & Gardens by the Bay			Sustainability Tech
MORNING Marina Barrage: Study 9 crest gates, tidal pump mechanics, and Sustainable Singapore Gallery 6 eco-zones.	AFTERNOON Gardens by the Bay (Cloud Forest & Flower Dome): mist climate engineering, vertical botany & rare biodiversity.	EVENING Spectra Light & Water Show at Marina Bay Sands waterfront promenade. Night reflection debrief.	
LEARNING OUTCOME: Understand closed-loop urban water catchment and tropical bio-dome climate controls.			
DAY 03 National Resilience, Defence Tech & Night Safari			Crisis Leadership & Wildlife
MORNING Singapore Discovery Centre: AR history trail and Crisis Simulation leadership escape room exercises.	AFTERNOON Chinatown & Little India cultural heritage scavenger hunt with local multi-ethnic history modules.	EVENING Guided tram tour and nocturnal habitat preservation briefing at world-famous Night Safari.	
LEARNING OUTCOME: Crisis leadership under pressure, cross-cultural heritage, and nocturnal fauna conservation.			
DAY 04 Ocean Tech at S.E.A. Aquarium Sentosa & Departure			Oceanography & Reflection
MORNING S.E.A. Aquarium at Resorts World Sentosa: marine ecosystem engineering & shark conservation briefing.	AFTERNOON Souvenir stop at Bugis Street / Jewel Changi. Capstone presentation and certificate award ceremony.	EVENING Private coach transit to Changi Airport for departure flight with certified tour certificates.	
LEARNING OUTCOME: Marine conservation, global trade logistics, and tour capstone portfolio consolidation.			

● INVESTMENT, INCLUSIONS & PRACTICAL SUGGESTIONS

ACCOMMODATION CATEGORY	ROOM CONFIGURATION	PER STUDENT (SGD)	APPROX. PER STUDENT (INR)	CHAPERONES (1:10)
Youth Hostel / Student Hub	Quad-Share Ensuite	SGD ~580	₹36,830	100% FREE
3-Star Hotel (Lavender/Bugis)	Twin / Triple Share	SGD ~725	₹46,030	100% FREE
4-Star Hotel (Novotel/Orchard)	Executive Twin Share	SGD ~920	₹58,420	100% FREE

Packing & Climate

Tropical climate (28°–32°C). Pack lightweight breathable cottons, comfortable sneakers, light sweater for AC labs, and reusable water bottle.

Electronics & Notes

UK 3-pin (Type G) plug adapter, power bank, and a dedicated STEM notebook or digital tablet for workshop worksheets.

Coordinator Checklist

Passport validity 6+ months, SG Arrival Card (SGAC submitted 3 days prior), emergency contact list, and dietary preference list.