



EDUCATIONAL  
TOURS



EF STEM

## Robotics, Engineering, and the Future of Cities in Japan

In Japan, the technology fueling tomorrow's cities is on display today. Home to countless organizations specializing in robotics and engineering, this island country is at the forefront of innovation in the areas of sustainability and human mobility. From high-speed superconducting magnetic trains, to Hybrid Assistive Limb technology, to Asimo the robot, see how the future of cities is closer than you think in Japan.

# Explore a world built on STEM

Science, Technology, Engineering, and Math shape communities across the globe. Our STEM-focused tours showcase the value of diverse ways of thinking and building, while also highlighting the powerful universality of STEM subjects. At EF, we've spent over 50 years witnessing the power of educational travel, and we know how it can transform STEM learners. Each STEM tour challenges travelers to think critically, and helps students develop innovative solutions to global problems.

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## What to expect on a STEM tour

### EXPERIENTIAL LEARNING

Apply STEM principles by participating in project-based learning that goes well beyond theory.

### INNOVATIVE LOCATIONS

Tour exciting international destinations that host some of the world's most advanced laboratories, universities, and companies, or are simply perfect global "classrooms" to study analytical issues of the day in real life.

### INDUSTRY EXPERTS

Collaborate and learn with scientists, engineers, researchers, and other STEM practitioners in the field.

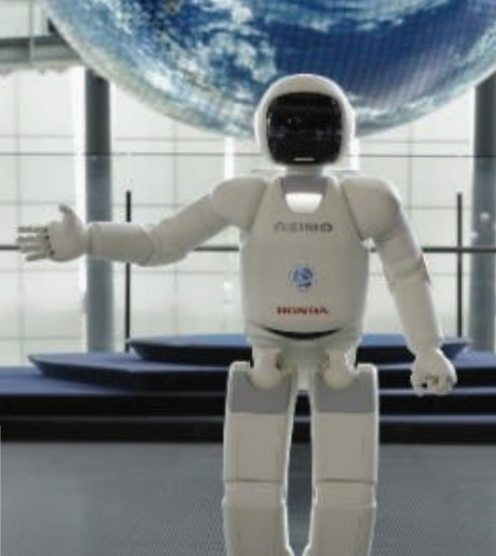
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### YOUR EXPERIENCE INCLUDES

Full-time Tour Director; sightseeing tours; entrance fees for Tokyo Skytree, Mirai Museum, Rinkai Disaster Prevention Park, Toyota showcase, cooking class, guided tour of KEK, hands-on workshop, Hamariky Japanese Gardens, tea ceremony, JAXA tour, Cyberdyne Studios, Maglev Exhibition Center (with extension: Gyeongbokgung Palace, cooking class, Bukchon Hanok village, National Museum of Korea, Tum VR Station, Samsung Innovation Museum, Suwon Hwaseong Fortress, N Seoul Tower); 7 overnight stays in hotels (11 with extension); breakfast and dinner daily

Old meets new everywhere you look in Tokyo.





Meet the famous robot Asimo at the Mirakan Museum of Emerging Science.



See the future come to life in Odaiba.



< Japan's trains are famous for their speed, and at the Maglev Exhibition Center, learn how superconducting magnetic technology is evolving just as fast.

#### Day 1: Fly overnight to Japan

##### Day 2: Tokyo

Meet your Tour Director at the airport in Tokyo, the capital of Japan and city of contrasts. Here, see how old meets new as you discover ancient temples and learn about the creation of modern technologies that will shape our future.

##### Day 3: Tokyo

Take a guided tour of Tokyo led by a STEM expert, including stops at the Shibuya District and Tokyo Skytree—Japan's tallest building. Visit the Miraikan Museum of Emerging Science, where you'll explore exhibits on sustainable growth and evolution. Ponder a future built by robot technology as you interact with actual robots (like the famous Asimo).

##### Day 4: Tokyo | Odaiba

Spend the day in Odaiba, a collection of man-made islands that today serves as a futuristic residential and business district. Take a guided tour of the Rinkai Disaster Prevention Park, where you'll experience an earthquake simulation and learn how to survive different natural disasters. Then, head to the Toyota Megaweb Showcase and learn about the auto manufacturer's latest work in car development and sustainability. Later, try your hand at preparing authentic Japanese food during a cooking class.

##### Day 5: Tokyo | Tsukuba

Take an excursion to Tsukuba, nicknamed the "Science City" of Japan for its large number of research facilities and universities. Start off with a visit to Science Square, a showroom for research from the National Institute of Advanced Industrial Science and Technology (AIST). Afterward, learn how scientists probe the fundamental properties of matter on a guided tour of the High Energy Accelerator Research Organization (KEK). End the day with a hands-on workshop at a premier research organization.

##### Day 6: Tokyo

Take a tour of the Akihabara District, a cultural center for fans of anime and manga. Then, stroll among the greenery and seawater ponds of Hamarikyu Gardens. Round out your day in Tokyo with a traditional Japanese tea ceremony.

##### Day 7: Tokyo | Tsukuba

Travel to Tsukuba once again for another day in the renowned "Science City." Learn about the country's current efforts in space exploration on a guided tour of the Japan Aerospace Exploration Agency (or JAXA, for short). Visit Cyberdyne Studios, where you'll see Hybrid Assistive Limb (HAL) technology in action—you might even get a chance to test out the arm portion of a working HAL suit!

##### Day 8: Tokyo | Yamanashi

Head to Yamanashi Prefecture, best known as the home of Mount Fuji. Start out at the Maglev Exhibition Center where—through a series of interactive exhibits—you'll see how superconducting magnetic technology will enable Japan's trains to become some of the fastest on the planet. You may even be able to view a test run of the Maglev train as it zooms past the Center. On your way back to Tokyo, stop for a photo of the awe-inspiring Mount Fuji. Enjoy a free evening in the city or [experience Japan's lively karaoke culture](#).

##### Day 9: Return home or add extension

Depart for home or extend your trip to Seoul, a modern city that stays close to its ancient roots.

##### Day 10: Seoul

Visit the Gyeongbokgung Palace, former residence of the Korean King, where you'll witness a guard-changing ceremony. Next, prepare a traditional Korean meal during a cooking class. Visit the Bukchon Hanok village before exploring the digital galleries at the National Museum of Korea. End your day at the T.um VR Station, a virtual reality theme park.

##### Day 11: Seoul

Travel to Suwon. Visit the Samsung Innovation Museum to learn about the future of electronics. Then, marvel at the advanced architecture of Hwaseong Fortress, a UNESCO World Heritage Site. Later, view the gorgeous Seoul landscape, including Namsan Mountain, from N Seoul Tower.

##### Day 12: Seoul

Enjoy a free day in Seoul or [take a full-day tour of Korea's Demilitarized Zone](#).

##### Day 13: Depart for home

# The world leader in international education

For over 50 years, EF has been working toward one global mission: Opening the World Through Education. Your teacher has partnered with EF because of our unmatched worldwide presence, our focus on affordability, and our commitment to providing experiences that teach critical thinking, problem solving, collaboration, and global competence.

## **AFFORDABILITY**

We always offer the guaranteed lowest prices so more students have the opportunity to travel and experience the world.

## **INSIGHT**

We believe in experiential learning at the most important sites. Your Tour Director is with you at every step, providing their own perspective and local tips.

## **SAFETY**

We're committed to your safety. With 500 schools and offices in over 50 countries, EF staff can react quickly and in person wherever you travel.

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