

Nordic STEM Education Event “Newton in a Box Japan” to Be Held at Narita Airport During Summer Holiday Season

Hands-on program for children to explore the appeal of science and aviation and inspire the next generation; first event of its kind in Asia



Narita International Airport Corporation, Boeing, and the Museum of Aeronautical Sciences will host the Nordic STEM (science, technology, engineering and mathematics) education event “Newton in a Box Japan” at Narita International Airport from August 3 to 23, 2026. The event will be held in the pre-security screening area, and admission will be free for all visitors, including those not traveling by air. Some activities require reservations.

In addition, the special exhibit “Boeing Connects the Globe” will be held at the Museum of Aeronautical Sciences from August 1 to 31 during the same summer holiday period, helping to further enhance the Newton event.

Event Overview

Dates & times: August 3 to 23, 2026, 10:00 a.m. to 4:00 p.m.
(1:00 p.m. to 4:00 p.m. on August 3)

Venue: Pre-security area, 4th Floor, North Wing, Terminal 1, Narita International Airport

Admission: Free

Target age: 10 to 18 years old (Adults may participate when no children are waiting.)

*The flight simulator experience requires reservations.
Walk-in participation may be possible if slots are available.

Flight simulator reservation site: <https://newtonibox.stores.jp/reserve/narita-airport>

Newton official website:

<https://newtonroom.com/ja/newton-rooms/newton-in-a-box-japan>

Newton in a Box, supported by Boeing, is an educational program developed by Norwegian non-profit foundation FIRST Scandinavia. The program has already been held successfully in the Nordic countries, Europe, Brazil, and other regions, and this will be its first time being held in Asia. This event at Narita Airport will focus on aviation and energy, with activities including a flight simulator experience, a kinetic energy experiment, and a challenge in which participants design and build their own paper airplanes as part of an aeronautical engineering activity. Through these hands-on experiences, the event aims to spark children's curiosity and interest in science and technology. At the venue, volunteers including both active and former pilots from participating organizations, as well as students in pilot training courses, will serve as instructors and guide participants through the activities in an easy-to-understand way, providing an engaging learning experience.

Activities Overview

Flight Simulator Experience (Reservation required)

Experience the controls in a realistic simulator and learn the basics of aviation in a practical environment while taking off and flying.

Kinetic Energy Experiment (No reservation required)

Learn how potential energy is converted into kinetic energy through experiments. By observing moving objects and measuring speed and distance, participants will deepen their understanding of acceleration, momentum, and conservation of energy.

Aeronautical Engineering Challenge (No reservation required)

Design, build, and test paper airplane wings attached to a 3D-printed fuselage, and take on a flight engineering challenge. Participants will learn the basic principles of aerodynamics, including lift, drag, and stability, while developing creativity and problem-solving skills.

Special Exhibit at the Museum of Aeronautical Sciences: "Boeing Connects the Globe"

Dates & times: August 1 to 31, 2026, 10:00 a.m. to 5:00 p.m.

Venue: Foyer, 1st Floor, Museum of Aeronautical Sciences

This special exhibit introduces the evolution of Boeing passenger airplanes and the role they have played in connecting people around the globe. Featuring aircraft that have defined each era, including the 747, affectionately known as the "Jumbo Jet," as well as the 787 Dreamliner, 777X, and 737 MAX, the exhibit displays materials from various airlines and scale models to showcase the history of aviation and passenger aircraft.

Per-Arild Konradsen, Founder and CEO of FIRST Scandinavia, said:

“We are incredibly proud to bring Newton in a Box to Asia for the first time. Newton is about giving children positive experiences with science. Through practical activities, collaboration and a sense of achievement, we want to inspire curiosity and show that science is something children can explore, understand and enjoy. We hope this project can inspire the establishment of the first permanent Newton Room in Japan.”

Eric John, President of Boeing Japan, said:

“Boeing has long supported Newton’s educational mission across the Nordic countries, throughout Europe, and recently in Brazil. It is a pleasure to see this program take root here at Narita Airport and to bring its value to families and young learners in Japan. Narita is a gateway where Boeing aircraft operated by many airlines take off and land each day. We hope that passengers flying on our airplanes—and all who visit the airport—will enjoy discovering the technology of flight in an engaging and memorable way during their summer holiday.”

Naoki Fujii, President and CEO of Narita International Airport Corporation, said:

“We are delighted to host Newton in a Box at Narita Airport as its first-ever event in Asia during the summer holiday season, when many travelers and families visit the airport. This event has been made possible through the collective efforts of Team NARITA, including airline partners, active and former pilots, educational organizations and local stakeholders. We hope that visitors to the airport, as well as children and students from the surrounding communities, will discover the excitement of aviation and STEM, and be inspired to become part of the next generation of talent supporting the aviation industry and the fields of science and technology.”

Tatsuya Enomoto, Director of the Museum of Aeronautical Sciences, said:

“We are honored to support the launch of this STEM education program at Narita Airport. We hope it will provide children with a valuable opportunity to deepen their interest in aviation, science and technology through hands-on experiences, while nurturing the curiosity and creativity that will help shape the future. During the event period, the Museum of Aeronautical Sciences, located adjacent to Narita Airport, will also host a special exhibition showcasing the history and evolution of Boeing commercial jet aircraft. Through both Newton in a Box and our exhibition, we hope visitors will gain an even greater appreciation and understanding of aviation.”

Partner Organizations

Presented by: Narita International Airport Corporation, Boeing, and the Museum of Aeronautical Sciences

Developed by: FIRST Scandinavia

Supported by: Chiba Prefecture, Shibayama Town

Sponsored by: NRT Area Design Center

In collaboration with: All Nippon Airways Co., Ltd., Japan Airlines Co., Ltd., Japan Aircraft Pilot Association, Air Japan Co., Ltd., ANA Wings Co., Ltd., Jetstar Japan Co., Ltd., JAL Engineering Co., Ltd., Peach Aviation Limited, Spring Japan Co., Ltd., Nippon Cargo Airlines Co., Ltd.

About FIRST Scandinavia and the Newton Concept

The Newton Concept is developed and administered by the Norwegian non-profit foundation FIRST Scandinavia in collaboration with teachers, academic institutions, and industry partners. A Newton Room is a well-equipped, inspiring STEM classroom focused on high-quality education. Its purpose is to provide as many children as possible with a positive experience and a sense of achievement in STEM subjects. The learning approach is varied and emphasises practical, hands-on activities. Today, 56 Newton Rooms are established worldwide, and the concept has reached more than 600,000 children and young people.

About Narita International Airport Corporation

Narita International Airport Corporation is responsible for the establishment, management, and operation of Narita International Airport, the international hub airport serving the Tokyo metropolitan area. As a key international aviation network connecting Japan with destinations around the world, Narita Airport supports Japan's economy and society through both passenger and cargo transportation. To meet growing global aviation demand, the company is promoting the "Second Opening of Narita Airport" project, including construction of a third runway, and is working with Chiba Prefecture to advance the "SORATO NRT Airport City" concept, which aims to create a new urban area in and around the airport. The company also works with stakeholders to promote understanding of aviation and airports and to create opportunities that support the development of the next generation. For more information, visit the Narita International Airport Corporation website:

<https://www.narita-airport.jp/en/company/>

About Boeing

A leading global aerospace company and top U.S. exporter, Boeing develops, manufactures and services commercial airplanes, defense products and space systems for customers in more than 150 countries. Our U.S. and global workforce and supplier base drive innovation, economic opportunity, sustainability and community impact. Boeing is committed to fostering a culture based on our core values of safety, quality and integrity. In Japan, Boeing has long worked closely with airline customers that operate Boeing aircraft and with suppliers that manufacture key components for Boeing airplanes. For more information, visit Boeing Japan's website: <https://www.boeing.jp/>

About the Museum of Aeronautical Sciences

The Museum of Aeronautical Sciences, located next to Narita Airport, is Japan's first museum specializing in aviation. It is an educational and cultural institution that broadly introduces the history, technology, and culture of aviation. Since opening, the museum has worked to preserve and develop aviation culture. Its exhibits include actual aircraft, aircraft parts, detailed models, and historical materials, presented in a systematic way to clearly explain the development of aviation technology and airport operations. From the observation area, visitors can also watch aircraft take off and land up close, deepening their understanding of aviation through both learning and immersive experiences. The museum provides opportunities to foster interest in aviation and pass on its appeal and knowledge to the next generation. For more information, visit the Museum of Aeronautical Sciences website: <https://www.aeromuseum.or.jp/>