

Organized by



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NST SCIENCE_{IN} FAIR 2025 ACTION!

NATIONAL SCIENCE & TECHNOLOGY FAIR 2025 FOR SUSTAINABLE COMMUNITIES

NATIONAL SCIENCE AND TECHNOLOGY FAIR 2025



9 – 17 AUGUST 2025

QUEEN SIRIKIT NATIONAL
CONVENTION CENTER (QSNCC)

09.00 – 19.00 | HALL 5 – 6 LG FLOOR

NATIONAL SCIENCE AND TECHNOLOGY FAIR 2025

Theme

“SCIENCE IN ACTION! FOR SUSTAINABLE COMMUNITIES”

Get ready to experience science firsthand, think innovatively, and thoroughly enjoyable!

Date & Venue

9 - 17 August 2025

9.00 - 19.00 Hrs.

Queen Sirikit National Convention Center (QSNCC), Hall 5-6, LG Floor

97 Participating Organizations

- 18 organizations under the Ministry of Higher Education, Science, Research, and Innovation.
- 22 government agencies.
- 9 private sectors.
- 7 foundations, associations, and councils.
- 41 international organizations from 8 countries.

Organized by Ministry of Higher Education, Science, Research and Innovation

Operated by National Science Museum Thailand



Introduction

On 14 April 1982, the Cabinet passed a resolution to honor His Majesty King Mongkut (King Rama IV) as the “Father of Thai Science” and designated 18 August of each year as the “National Science Day.”

The first “National Science Week” was held from 18–24 August 1984 by the Ministry of Science and Technology (named at the time), with cooperation from various government agencies. The event garnered considerable attention from both the public and private sectors as well as the general public. Recognizing its significance, the Cabinet, on 3 September 1985, officially approved the Ministry of Science and Technology (at the time) to serve as the lead agency, together with other relevant public and private organizations, to organize activities in honor of His Majesty King Mongkut the Great, The Father of Thai Science. Since then, the “National Science Week” has been organized annually.

In addition, the Cabinet later designated 19 October as the “Thai Technology Day” to honor His Majesty King Bhumibol Adulyadej the Great as the **“Father of Thai Technology”** and the **“Father of Thai Innovation.”**

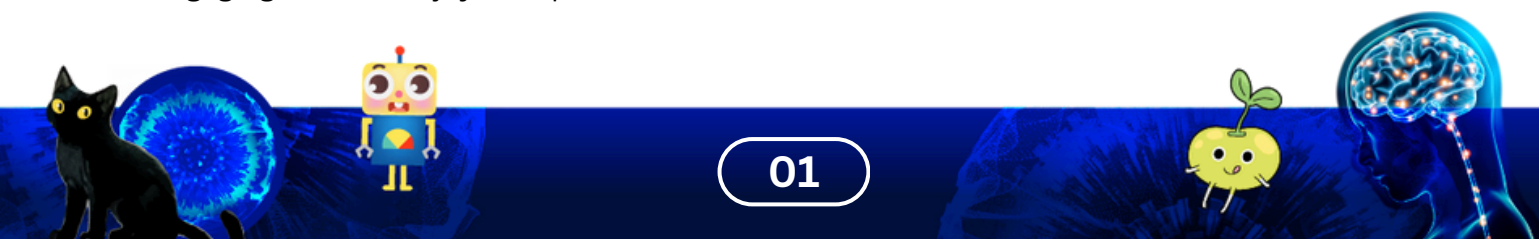
The celebration of the “National Science Week” has since received strong support from both public and private sectors, with the event expanding in scale and format to attract growing interest from students, youth, families, and the general public. Beginning in 2006, the Ministry of Science and Technology (at the time), through the National Science Museum (NSM), rebranded the event as the **“National Science and Technology Fair.”** It has since become the largest annual science and technology event in Thailand.

Theme

Amidst the ongoing global transformations, including climate change, technological advancements, and various social challenges, sustainability has emerged as a vital and shared objective in shaping our lives and society. Science plays a central role in achieving this goal.

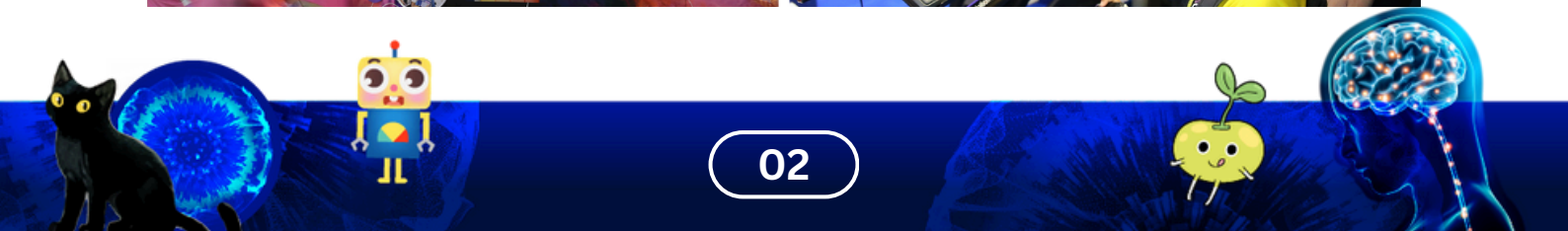
This year, Artificial Intelligence (AI) has taken on a pivotal role across all aspects of life, including work, the economy, education, and daily living. The rapid development of AI, fueled by the exponential growth of data and computing power, has positioned it as a key driver of scientific and technological transformation worldwide. Moreover, AI has become a significant force behind innovation and policy development in many countries, including Thailand.

Let us join hands in promoting public participation in building a science-based society, enhancing national potential, and preparing our youth and citizens for the future through the National Science and Technology Fair 2025, under the theme: “SCIENCE IN ACTION! FOR SUSTAINABLE COMMUNITIES,” where everyone can truly experience science hands-on, with engaging minds and joyful experiences.



Objectives

1. To honor King Rama IV as the “Father of Science of Thailand”.
2. To honor His Majesty King Bhumibol Adulyadej The Great (King Rama IX), the “Father of Technology” and “Father of Innovation” of Thailand.
3. To honor His Majesty King Maha Vajiralongkorn Phra Vajiraklaochaoyuhua (King Rama X) and Thai Royal Family for their contribution to the advancement of science, technology, and education in Thailand.
4. To disseminate research and development achievements in science, technology and innovation domestically and internationally.
5. To promote learning and understanding of science, technology, and science-related professions among the youth and the general public.
6. To encourage and inspire Thais to apply science, technology, and innovation as tools for advancing industries, improving the quality of life, enhancing product value, and strengthening the economy to drive national progress.
7. To offer learning opportunities and platforms for the youth, students, and the general public to express their creative ideas and opinions, fostering their development into future technologists and innovators.
8. To offer a platform for learning and the utilization of technology and innovation for Thais.



Exhibition & Activities

"National Science and Technology Fair 2025" showcases exhibitions and activities in science and technology from agencies under the Ministry of Higher Education, Science, Research and Innovation, government agencies, associations, councils of associations, foundations, museums, private organizations, and international organizations, including:

The Main Pavilion

- Quantum Quest
- Brain: Inside Out
- Mystery of Svalbard
- Little Inventor
- Walking Astronomy Museum: Astro Xplore

Activities for lifelong learning experiences

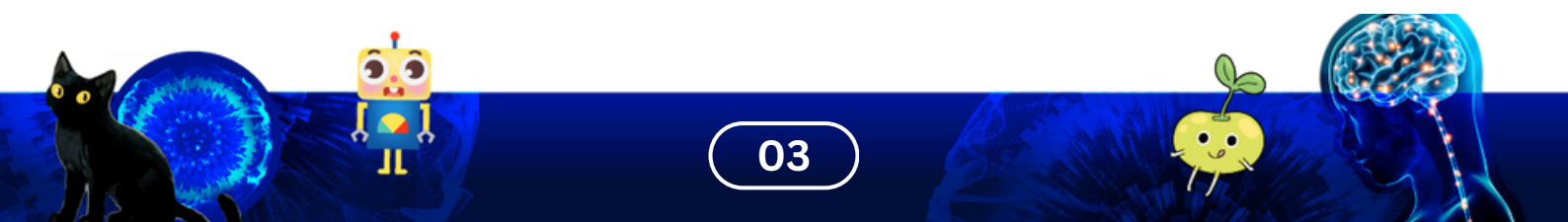
- Student Science Project Competition by The Science Society of Thailand Under the Patronage of His Majesty the King
- Prime Minister's Science Award 2025
- Thailand Science Communication Awards 2025
- Science Lab
- Main Stage Activities

Activities for science and technology literacy experiences

- Conferences and seminars on science, technology and innovation
- Science and technology trade show

Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

Exhibitions and activities are conducted through the extensive collaboration of the agencies under the Ministry of Higher Education, Science, Research, and Innovation, government agencies, the private sector, associations, councils, foundations, museums, and international organizations.



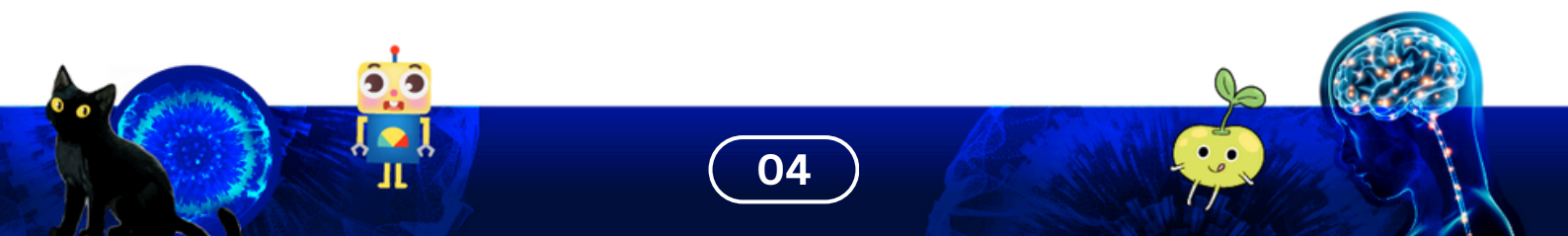
The Main Pavilion

Quantam Quest

Step into the Quantum Realm: an exhibition that brings the mind-bending world of quantum physics to life! Discover the tiny universe hidden inside atoms and explore the strange behavior of particles that has sparked some of the greatest scientific breakthroughs of our time. From Quantum Technology 1.0, which is already part of our everyday lives, to the exciting innovations that will shape the future, this exhibition isn't about complex theories, it's about sparking your curiosity and showing how quantum science connects to the world around you. The quantum future is coming and we'll all be part of it.

Highlight Feature

- Mysterious Quantum Tunnel
- Engaging Installations that "attempt" to demystify quantum principles.
- Groundbreaking Quantum Research by Thai scientists
- Meet the Experts and engage in close-up discussions with quantum researchers.



The Main Pavilion

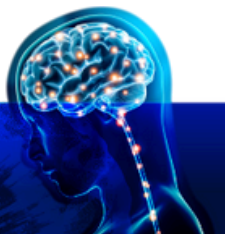
Brain: Inside Out

Explore the incredible world of the human brain, the ultimate control center of life and the essence of who we are. This exhibition unlocks the mysteries behind the brain's remarkable abilities and its role in shaping our thoughts, emotions, and actions.

Take a journey through every stage of life, from infancy and childhood to adolescence, adulthood, and aging. Discover how the brain develops, learns, adapts, and naturally changes over time. Experience interactive exhibits that reveal how our brain influences our body and emotions, along with practical tips for enhancing brain potential and maintaining long-term brain health.

Highlight Feature

Step inside the Giant Brain Dome, an immersive experience where you'll feel as if you're walking inside a living brain, surrounded by billions of neurons and complex neural networks.



The Main Pavilion

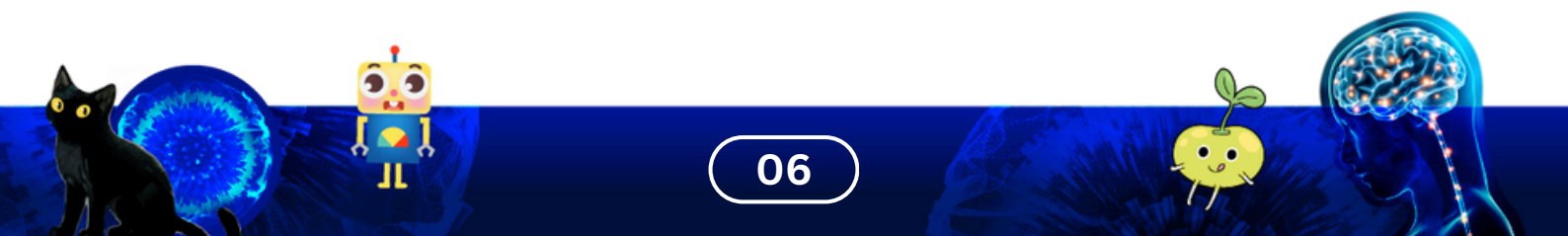
Mystery of Svalbard

Welcome, scientists, to the Seed Vault.

Step into a long, icy tunnel that leads to a secure chamber where seeds from every corner of the globe are carefully preserved for the future of life on Earth. Your mission: find your country's seed collection and study the seed care manual. These tiny treasures hold the power to restore life and renew hope for generations to come.

Mission: Unlock the Vault of Hope

Deep beneath the Arctic ice lies a hidden vault, home to millions of seeds, quietly waiting for the day the world will need them most. But one question remains: Who holds the key to unlock this Vault of Hope? Step into the story. Discover the seeds. Become part of the mission to protect life and restore our planet's future.



The Main Pavilion

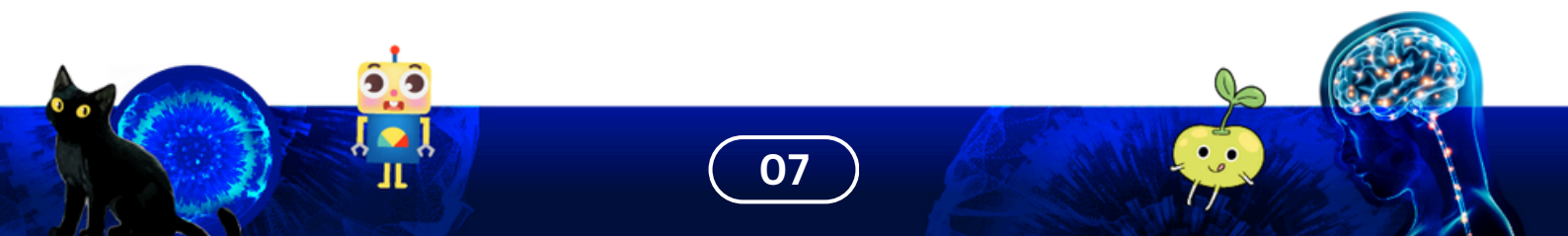
Little Inventor

Welcome to Little Inventors' Land!

Step into a playful factory designed just for young innovators bursting with ideas. Here, kids can explore, create, and build their skills through fun, hands-on activities that mix imagination with real science and engineering. This is where curiosity meets creativity, turning everyday play into unforgettable learning experiences that inspire the inventors of tomorrow.

Discover our Mechanical Wall

Get hands-on with the basics of how things move and work! Explore six simple machines: levers, wheels, axles, pulleys, wedges, and screws through exciting, real-world experiments. Try out interactive exhibits like gears, pulleys, levers, screws, wheels, axles, inclined planes, and even a Marble Machine. It's learning through play, and it's packed with discovery.



The Main Pavilion

Walking Astronomy Museum: Astro Xplore

A groundbreaking digital exhibition merges astronomy and Extended Reality (XR) technology which is transforming a virtual museum into an interactive journey through the cosmos. Explore the vast universe with captivating scientific content blended seamlessly with entertainment.

3 Highlight Features

- **Earth's Evolutionary History:** Witness billions of years of our planet's evolution through stunning virtual simulations.
- **Infinite Universe:** Journey through the boundless cosmos, from luminous nebulae to enigmatic black holes.
- **Flying Across the Galaxy:** Virtually traverse the Milky Way, discovering stars, galaxies, and spectacular astronomical phenomena.



Activities for lifelong learning experiences

Student Science Project Competition by The Science Society of Thailand Under the Patronage of His Majesty the King

A space for science competitions and youth project showcases, operated by The Science Society of Thailand Under the Patronage of His Majesty the King. This inspiring venue promotes scientific knowledge and encourages the continuous development of skills and creativity among young minds and empowering the next generation of innovators.

9 - 10 August 2025 The Young Scientist Club Activity Contest

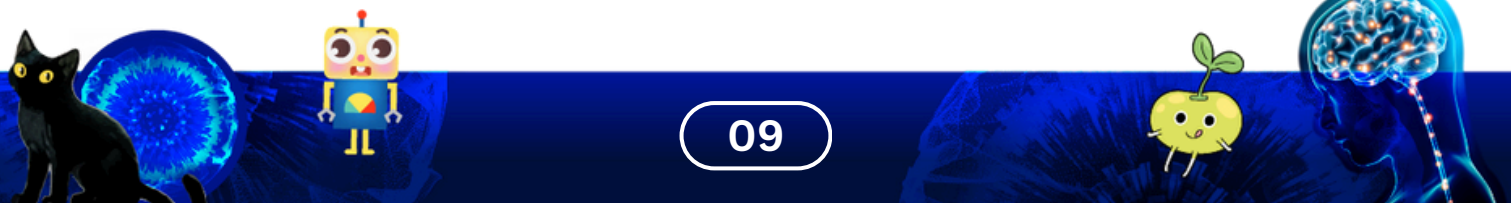
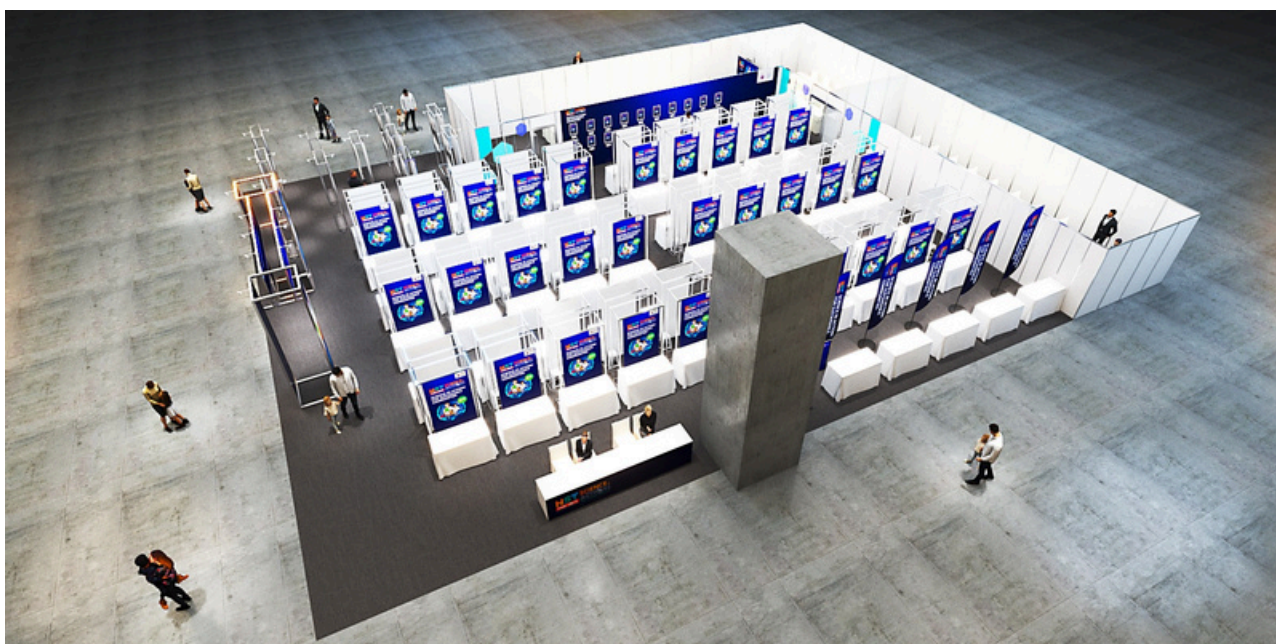
11 - 12 August 2025 From Inspiration to Innovation Exhibition

13 - 14 August 2025 The National Vocational Science Project Contest

15 August 2025 High School Science Project Contest
The Science Society of Thailand Under the Patronage of His Majesty the King - NSM

16 August 2025 Middle School Science Project Contest
The Science Society of Thailand Under the Patronage of His Majesty the King - NSM

17 August 2025 Thailand Innovation Awards 25th Edition



Activities for lifelong learning experiences

Prime Minister's Science Award 2025



Science is the cornerstone of national development and a key factor in the development of quality manpower to support the global change. The importance of education in science, technology, innovation and environmental considerations is of great necessity in today's society. The making of the youth science project is an important project to promote youth to apply their scientific process skills in project preparation to create new technology and innovative ideas to solve problems in their daily life or within their own community, including receiving support from teachers and educational institutes to create a scientific society and raise scientific awareness. Nowadays, there have been youth science projects submitted in the world-class competition and have been awarded from both domestic and international competition continually throughout the past year.

The Ministry of Higher Education, Science, Research and Innovation (MHESI), The Science Society of Thailand Under the Patronage of His Majesty the King, National Science and Technology Development Agency, and National Science Museum Thailand, recognize the importance of Thai youth science projects, as well as the opportunity to build a network of youth and teachers who are involved in supporting youth in developing science projects. Therefore, the Prime Minister's Science Award project has been organized for the 8th consecutive year to select outstanding youth projects and the work of science teachers who encourage youth. This prestigious award from the Prime Minister aims to honor and celebrate outstanding youth and teachers who have made significant contributions and set a good example in science. Additionally, it seeks to foster, promote, and inspire youth and teachers to continue their contributions in science and technology, leading to become scientists and researchers who can develop the country in the future.

Award categories include:

Student Awards

Prime Minister's Science Project Award 2025 – Junior High School

Prime Minister's Science Project Award 2025 – High School

Awards for Outstanding Teachers

Prime Minister's Science Teacher Award 2025 – Junior High School

Prime Minister's Science Teacher Award 2025 – High School

Supporting Partner Organizations

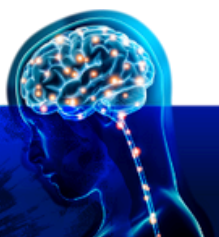
- Western Digital Storage Technologies (Thailand) Ltd.
- Dow Thailand Group
- Electricity Generating Authority of Thailand (EGAT)
- ExxonMobil Limited
- Toumi Intertrade Co., Ltd.



Activities for lifelong learning experiences

Thailand Science Communication Awards 2025

Join us in celebrating the power of science communication in Thailand at the Thailand Science Communication Awards 2025. This prestigious event honors organizations, individuals, and creative works that have dedicated themselves to sharing scientific knowledge, connecting science with everyday life, and inspiring curiosity and understanding across Thai society.



Activities for lifelong learning experiences

Science Lab



A science learning activity area for children and youth, designed to train scientific process skills and discover the scientist within you. Join the fun with 4 exciting science experiments, including:

LAB 1

Black Cat Quantum Blink

Have fun with cutting-edge experiments, explore basic electronic components, and discover the concept of quantum technology by building a blinking light circuit (Astable Multivibrator). Practice using transistors, resistors, and capacitors while developing engineering skills and systematic thinking. Create your own “Meow Eyes” for a black cat you design yourself!

LAB 2

Hot Seeds Therapy

Explore natural healing and wellness through traditional remedies, and discover the health benefits of medicinal plants and holistic therapy.

LAB 3

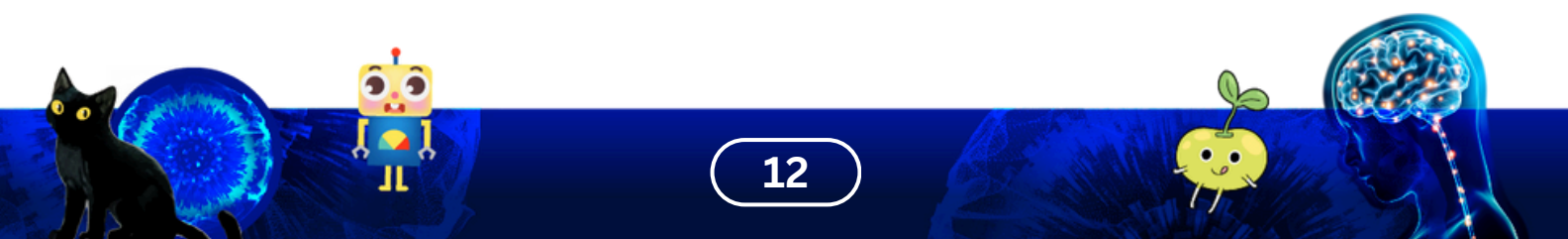
The Beauty of Fabric

Learn how natural dye compounds produce color and explore how mordant solutions affect color shades and adhesion. Try cold-dyeing techniques and tie-dye folding methods to create imaginative patterns. This hands-on activity fosters creativity and inspires the application of science in daily life, promoting life-long learning.

LAB 4

Creative Clay Time

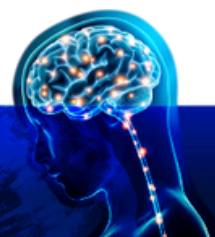
Explore scientific principles related to material properties such as moisture, pressure, drying, and hardening through making keychains from Japanese clay, a safe, biodegradable, and eco-friendly material. Under the theme “Science in Action for Sustainable Community,” this activity emphasizes hands-on learning through the integration of science, art, and creativity (STEAM Education).



Activities for lifelong learning experiences

Main Stage Activities

1. Let's Communicate Science
2. Myth Buster: Fact or Fiction?
3. Biomimic Lab: Artistic Eyes, Scientific Minds
4. NSM JSI: Driving Science Toward Sustainability
5. Young Astronomy Communicator Competition
6. Bioindustry-SDU Big Show
7. Robot Interactive Performance
8. Stage Activity
9. Book Launch: "WiWit WiWat"
10. Book Launch: "Disruptive Technology"
11. Quantum: My Perspective, Your Perspective
12. Teacher Potential Development Project for Secondary Schools under the Bangkok Metropolitan Administration
13. Special Talk and Award Ceremony: The 2025 International Photo Competition
14. Launch Ceremony: Marine Animal Knowledge Cards
15. Award Presentation: Annual School-Level Astronomy Knowledge Exchange Conference 2025
16. Toy Design Contest Award Ceremony 2025
17. Manga-Style Scientist Drawing with G-Pen & Talk on Communicating Science through Illustration
18. Special Talk: Brain: Inside Out
19. Inspiration Talk with Faculty of Veterinary Medicine, Kasetsart University



Activities for science and technology literacy experiences

Conferences and seminars on science, technology and innovation



Let's Communicate Science กับ YTSA

9 August 2025 | 10:00 - 12:00 Hrs.

Learn and enjoy diverse forms of science communication to foster awareness and engagement in science learning. This activity showcases various science communication methods and processes, aiming to inspire curiosity and motivation among Thai youth.

Book Launch: “WiWit WiWat”

10 August 2025 | 10:00 - 12:00 Hrs.

This book launch aims to spark public interest in the history of science and inspire further exploration in scientific knowledge. It also serves to promote academic publications by the National Science Museum (NSM).



Quantum: My Perspective, Your Perspective

11 August 2025 | 15:00 - 16:00 Hrs.

This talk is designed not to make the audience fully “understand” quantum physics as an impossible task but rather to encourage curiosity and increased public “interest” in quantum concepts and perspectives.

Activities for science and technology literacy experiences

Conferences and seminars on science, technology and innovation



Book Launch: "Disruptive Technology"

14 August 2025 | 11:00 - 12:00 Hrs.

Discover the world of science and technology innovations through fascinating stories in the latest Popular Science book from the National Science Museum (NSM). Enjoy activities that will lead you to uncover answers and unlock the door to future innovations with experts who will help open your world to science, technology, and innovation.

Brain: Inside Out | A Rest Stop for Understanding the Mind

15 August 2025 | 10:00 - 11:00 Hrs.

Explore how neuroscience helps us understand and manage our own and others' emotions. Learn about brain evolution in changing societies to better relate across generations and promote social well-being. Includes a Q&A with brain experts and psychologists to address questions on brain function and emotional health.



2025 International Photo Competition

15 August 2025 | 13:00 - 14:30 Hrs.

This seminar marks the fifth year of our project, aiming to inspire environmental awareness and action through international photography. We'll discuss the project's journey and showcase powerful images from around the world. The event also includes an awards ceremony for our international photography competition, honoring winners and broadening the project's reach.

Activities for science and technology literacy experiences

Conferences and seminars on science, technology and innovation



Mythbuster: Fact or Fiction?

16 August 2025 | 11:00 - 12:00 Hrs.

Get ready for an engaging Q&A session where we'll explore fascinating science topics that everyone's wondered about.

Power of NSM Junior Science Influencers 2025

16 August 2025 | 14:00 - 15:30 Hrs.

This activity offers an exciting opportunity for young talents to gain inspiration and practical experience in public relations presentations at the National Science and Technology Fair 2025. It's a chance to showcase their abilities, culminating in the NSM Junior Science Influencers 2025 awards. The event will also feature performances by students from the Personality Plus School of Dance and Performing Arts.



Activities for science and technology literacy experiences

Conferences and seminars on science, technology and innovation



Lego science: Discover Science with LEGO® Education Science

16 August 2025 Round 1: 10:00 - 12:00 Hrs.
Round 2: 15:00 - 17:00 Hrs.

Explore LEGO® Education and learn about the basics of evolution and animal heredity using LEGO® Education Science sets.

Matata (Coding): "Coding is a Breeze with Vincibot, Your Child's Best Robot Friend!"

17 August 2025 | 13:00 - 15:00 Hrs.

This fun activity invites children aged 8–14 to creatively step into the world of programming through hands-on play with Vincibot, a clever little robot which makes learning the basics of coding easy and enjoyable! This activity boosts analytical thinking, problem-solving skills, and spark creativity, while nurturing an early interest in technology.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

Ministry of Higher Education, Science, Research and Innovation

1. National Science Museum Thailand

Exhibition: Automata Phra Aphai Mani

Summary: Showcase the fusion of engineering, mathematics, and art through moving mechanical storytelling of the classic Thai literature “Phra Aphai Mani”. Using automata techniques, characters come to life, creating an engaging and inspiring experience. Visitors will explore the principles of STEAM +1, learning about science, technology, engineering, art, and mathematics through the movement mechanisms, while also discovering the story of Phra Aphai Mani.

Highlight: Experience riding the iconic creature "Nin Mangkorn Horse" and craft your own Automata Mermaid Motion toy.

2. Thailand Institute of Nuclear Technology (Public Organization)

Exhibition: “From Nucleus to Nuclear Technology”

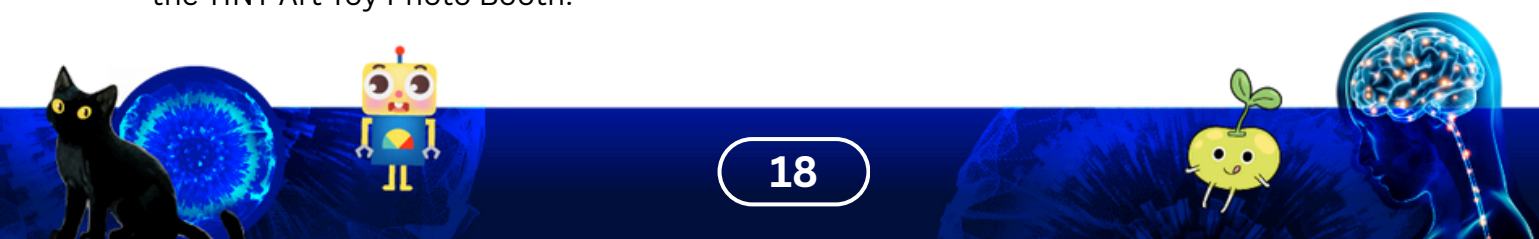
Summary: Section 1: The Exhibition Journey

Embark on a journey to the origin of matter, beginning with the atom: the basic building block of everything in the universe. When humans discovered that the nucleus can undergo fission or fusion, unleashing vast energy, it revolutionized the world. This nuclear energy can light cities, power industries, or even cause destruction. Alongside energy, invisible radiation is also released, such as alpha, beta, gamma, and neutron rays. Today, nuclear technology plays a role in everyday life, from food irradiation and agricultural innovations to industrial, medical, environmental, and energy applications. As long as it is used responsibly and safely, nuclear power can truly become “life energy”.

Section 2: Meet Six Scientists Who Changed Nuclear History

- Marie Curie, the Iron Lady of radiation
- Albert Einstein, whose equation changed everything
- Ernest Rutherford, who unlocked the nucleus
- Otto Hahn, discoverer of fission
- Leó Szilárd, visionary of atomic power
- Enrico Fermi, creator of the first nuclear reactor
- Explore their legacy through vibrant, interactive displays.

Highlight: Join stage games like Nuclear Knockout! Answer wrong, you're out! and Nuclear Bingo! Fun with creative nuclear imagery. Explore the booth with our QR hunt, which scans all 4 points, and spin the lucky wheel. Enjoy coloring activities for kids and snap photos at the TINT Art Toy Photo Booth.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

3. **Synchrotron Light Research Institute (Public Organization)**

Exhibition: The world is full of waves – it’s all about how we see them

Summary: An engaging exhibition introducing the concept of “waves” – what they are, their components, and how synchrotron light relates to different types of waves.

Highlight: Hands-on science experiments where children can explore wave phenomena such as particle accelerator waves, light waves, sound waves, and seismic waves.

4. **National Astronomical Research Institute of Thailand (Public Organization)**

Exhibition: SUN

Summary: In 2025, the Sun will reach the “Solar Maximum,” the peak of its 11-year solar cycle. To mark this significant astronomical event, the National Astronomical Research Institute of Thailand presents the exhibition “SUN”, which aims to educate the public about the Sun, the solar cycle, and its potential impacts on Earth—ranging from solar phenomena that affect communication systems to observable events in the sky.

Highlight: The “SUN” exhibition invites visitors to explore various dimensions of solar science through immersive experiences such as interactive media, animated visuals, and a 360-degree full-dome film. Featured installations include:

- A giant inflatable Sun with a diameter of over 4 meters, serving as a striking visual centerpiece and educational gateway.
- An interactive Plasma Ball demonstration to help audiences understand plasma –the fundamental state of matter in the Sun.
- A foundational exhibit on the Sun-Earth connection, covering topics such as solar radiation, solar storms, magnetic fields, and atmospheric effects, enhanced by curated photographs from ground- and space-based solar observations.
- A digital planetarium dome (8 meters in diameter), offering immersive 360-degree aurora films for a realistic and awe-inspiring viewing experience.
- A large 3x3-meter H-alpha display, showcasing high-resolution images of solar flares and the Sun’s dynamic surface in real time.

This engaging and informative exhibition provides a rare opportunity for visitors to better understand the powerful energy of our nearest star through science, art, and interactive technology.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

5. Thailand Institute of Scientific and Technological Research

Exhibition: “Little Science Masters”

Summary: As a high-performance innovation-driven organization, TISTR plays a key role in empowering SMEs and local communities through science, technology, and innovation (STI) within an integrated innovation ecosystem. At the NST Fair, TISTR showcases initiatives aligned with ESG principles to promote sustainable development, featuring:

1) TISTR’s operations are guided by four strategic pillars, including Science, Technology, and Innovation, Infrastructure, Ecosystem, and Network. These S-I-E-N strategies are aimed at enhancing the country’s economic and social development through impactful R&D, technology transfer, and public-private services that elevate the quality of life and ensure inclusive, sustainable growth.

2) Sustainable Innovation Project to Combat PM2.5 in Northern Thailand is supported by the National Research Council of Thailand (NRCT). This project integrates efforts from government agencies, the private sector, and local communities. Through practical innovation transfer, the initiative creates incentives for income generation while addressing PM2.5 pollution systemically and sustainably. The focus is on developing real-world technologies that reduce air pollution and foster a circular economy, ultimately improving long-term public well-being.

- Highlight:**
- Showcasing an STI exhibition driving sustainable growth in line with ESG principles
 - Presenting high-value innovative products to sustainably address PM2.5 issues in Northern Thailand
 - Recreational activities that enhance knowledge and inspire young scientists to help solve PM2.5 problems

6. Hydro-Informatics Institute (Public Organization)

Exhibition: Chammy

Summary: This exhibition showcases water management innovations developed by the Hydro-Informatics Institute (HII), focusing on the use of technology to mitigate natural disasters. It also highlights rainfall forecasting tools presented through engaging interactive games.

Highlight: Meet Chammy, brand-new water-conscious mascot, making a debut appearance to raise awareness about water issues—along with fun games and exciting prizes for visitors!



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

7. National Research Council of Thailand

Exhibition: NRCT Smart Town

Summary: This year's booth is inspired by the "Road Safety" project, a key part of road safety research funded by the National Research Council of Thailand (NRCT) since 2020. Aligned with Strategy 2 of the National Science, Research, and Innovation Plan (2023-2027), the project aims to develop knowledge, innovation, and effective measures to reduce traffic accidents.

The exhibition is designed as a fun, educational experience to instill knowledge of road usage and promote positive attitudes and behaviors regarding road safety, particularly among youth. This initiative aims to strengthen national and international road safety efforts.

Serving as a learning hub, the exhibition offers essential skills and knowledge through various activities. It seeks to foster appropriate attitudes and behavioral changes for long-term road safety, aspiring to be a key mechanism for continuous and sustainable benefits in the future.

Highlight:

- **Activity 1: Smart Station**

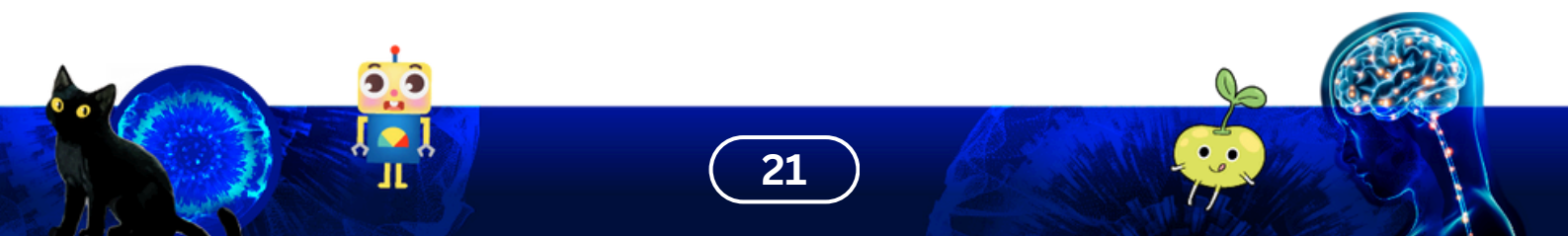
An LED screen sensor game where kids act as cars, collecting correct traffic signs and avoiding obstacles by stepping left or right. This activity trains decision-making, observation, and safe driving skills. Up to two people can play per round.

- **กิจกรรมที่ 2 : Safety Station**

A simulated driving experience where five kids, each controlling a car, navigate to different destinations on the same road. They must consider safety while facing obstacles such as pedestrians, red lights, bridges, and tunnels. Up to five people can play per round.

- **Activity 3: Which Sign Pairs?**

A matching game where four players compete to correctly pair identical or related traffic signs. Players must rotate blocks to align the traffic sign with its description. The fastest player wins. This game encourages quick thinking, general knowledge, agility, and a clear understanding of traffic signs.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

8. Office of Atoms for Peace

Exhibition: Radiation Unveiled

Summary: This exhibition focuses on disseminating accurate knowledge and understanding of the diverse benefits of radiation and nuclear energy. Highlights include the “Radiation Heroes” exhibition, which showcases the applications of radiation in various fields such as medicine, industry, and agriculture, aiming to foster a positive attitude among visitors.

Highlight: Special games let participants have fun while learning about nuclear science and radiation, such as matching radiation shielding equipment and trying on protective suits against contamination.

9. Geo-Informatics and Space Technology Development Agency (Public Organization)

Exhibition: Space Adventure

Summary: A creative and inspiring space technology exhibition showcasing applications of geo-informatics data, featuring:

1. GRAVITY CORNER – simulates zero gravity like in a spacecraft
2. Outdoor activity zone – games applying geo-informatics data
3. Art zone – satellite coloring based on imagination

Highlight: Zero gravity photo simulation and Space Adventure

10. National Science and Technology Development Agency

Exhibition: NSTDA MY CRAFT

Summary: Hands-on activities for kids including the “G-force racing car” workshop where participants build toy cars from everyday materials, learning concepts like gravity, friction, and STEM principles.

Highlight: Resin keychain workshop where kids design and create personalized crafts representing NSTDA’s Sirindhorn Science



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

11. Science and Technology Knowledge Center, STKC

Exhibition: Embark on a virtual adventure with STKC

Summary:

- Demonstrations of AR mobile applications
- Registration for STKC AR CARD
- Science and technology educational video animations

Highlight: Experience a new dimension by blending the real world with AR technology. Through camera-based simulation, 3D objects are seamlessly overlaid onto real scenes to create a unified virtual environment viewable directly through the device.

12. Faculty of Science, Chulalongkorn University

Exhibition: "Science for Sustainable Living"

Summary: Showcases how scientific knowledge from the Faculty of Science is applied beyond the lab to improve the quality of life and promote sustainability for communities, society, and the environment under the theme "Science for Sustainable Living."

Highlight:

- SCI for Daily Life
- SCI for Community
- SCI for Green Future
- Play & Learn Zone

13. King Mongkut's Institute of Technology Ladkrabang

14. Research Administration Division, Thammasat University, Rangsit Campus

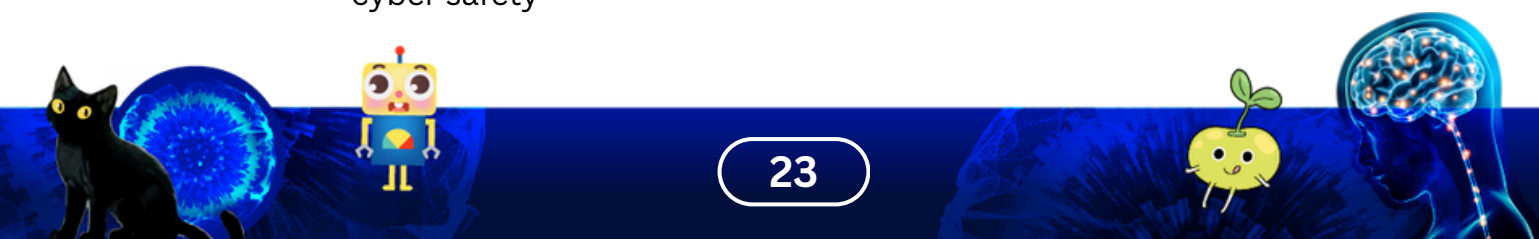
15. Suan Dusit University

Exhibition: Green City in the Digital World: Science Changing the Future

Summary: Exhibits in computer science through activities such as the Bioindustry-SDU Big Show, course introductions, demonstrations of 3D animal body measurement devices and air particle counters, and presents Smart Recycle Coach – a tool to teach waste separation and environmental awareness among youth.

Highlight:

- Interactive science and technology learning media
- Medical aromatic oils experience
- Drone technology
- Geo-informatics for environment and disaster management
- Mission Hacker: Cybersecurity simulation to enhance understanding of cyber safety



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

16. Ubon Ratchathani University

Summary: Showcases research and innovations from Ubon Ratchathani University, including:

- Health food innovations from the Faculties of Pharmacy and Agriculture, such as ready-to-drink tomato extract powder, silk cocoon oil supplements, slow-digesting rice and flour products.
- Cosmetic innovations from the Faculty of Pharmacy, including slimming products from fingerroot extract, anti-aging skin care from turmeric and green tea extracts, fruit acid-based concentrated skin care, organic rice bran oil skin care, waterless hair and scalp cleansers, and scar reduction products from shallot extract.
- Products from entrepreneurs supported by the university, such as semi-ready sweet potato enhanced Kuay Jab (rice noodle soup).
- Sustainable household agricultural products from the “Sesame” Learning and Development Center, including cold-pressed sesame oil capsules, roasted black sesame, black sesame paste, sesame butter, and pure cold-pressed black sesame oil.

Highlight: Exhibits prototype products from university research and innovation, including

- Health food innovations
- Cosmetic innovations
- entrepreneur products
- Sustainable household agricultural products from the “Sesame” center

17. Faculty of Applied Science, King Mongkut's University of Technology North Bangkok

Summary: Develop people, Advance science and technology.

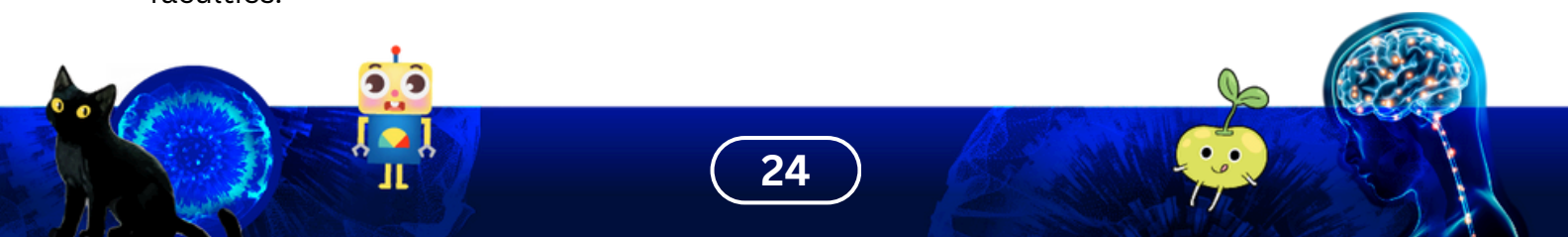
Highlight: Exhibition showcasing applied science concepts in three areas:

- Medical device development
- Artificial Intelligence (AI) and its applications
- Agriculture and sustainable resource use from various perspectives

18. Chitralada Technology Institute

Summary: Provides information about Chitralada Technology Institute, including details of academic programs, and showcases works by students, teachers, and faculty.

Highlight: Daily demonstrations of inventions and projects by students from various faculties.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

Government agencies

1. Department of Climate Change and Environment (DCCE)

Exhibition: Electric Train Noise Level Prediction Model in Thailand

Summary: A mathematical model designed to predict electric train noise levels in Thailand, based on data from five elevated train lines currently in operation. The model improves accuracy in noise level predictions and will be used for environmental impact assessments in future electric train projects.

Highlight: A noise level prediction model for electric trains aimed at reducing noise pollution to support sustainable urban and social development.

2. Defence Science and Technology Department

Exhibition: Exhibition and Activities on Military Research and Development by the Ministry of Defence

Summary: An exhibition showcasing military research, inventions, and innovations, including display zones with models and demonstrations. Project owners provide direct knowledge sharing, along with interactive zones for visitor participation, organized by the Thai armed forces.

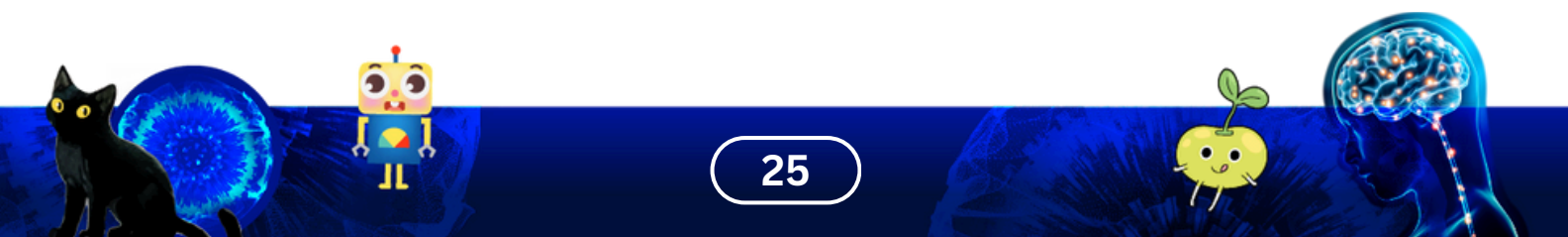
Highlight: Display and demonstration of military security research and the application of science in developing the Thai armed forces.

3. Rice Department

Exhibition: Rice Science in action for Sustainable Community

Summary: An exhibition sharing knowledge about rice cultivation systems using smart agricultural technology to expand its application. The goal is to raise awareness among farmers to adopt modern technology for rice production.

Highlight: Souvenirs for participants joining the learning activities within the exhibition booth.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

4. **Pollution Control Department**

Exhibition: "Arsenic: A 'Poisonous' Heavy Metal in Water Sources"

Summary: The exhibition showcases the monitoring of heavy metal "arsenic" contamination in the Kok, Sai, Ruak, and Mekong Rivers and their tributaries. We will present prevention and solutions. Participants will learn about heavy metals, including a hands-on demonstration of how to clarify water and reduce heavy metal content. We will also use simple test kits to show how water can be safely used and explain the dangers of heavy metals, ensuring the public is accurately informed without causing alarm.

Highlight: The Pollution Control Department team will demonstrate how to treat murky water from the Kok River using alum to make it clear and reduce heavy metals. Children can also participate in hands-on water quality testing with simple test kits. This activity will also cover standard water quality values for both water sources and soil, with a Q&A session for prizes.

5. **Royal Irrigation Department**

Exhibition: "Perfect Irrigation Systems: Development and Technology for Sustainable Water"

Summary: tell the story of the development and technology behind our irrigation systems, divided into three parts: upstream, midstream, and downstream. This will showcase how these innovations create national water security.

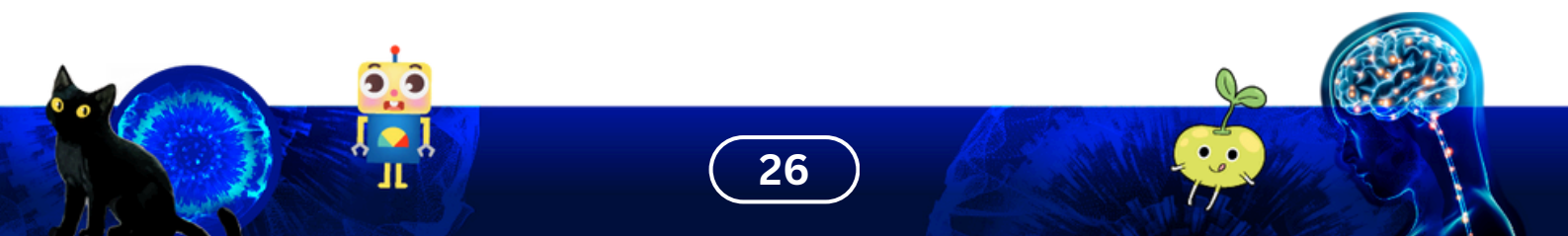
Highlight: An interactive LED dance floor and a paper boat-making activity.

6. **Mineral Resources Office Region 3, Department of Mineral Resources**

Exhibition: "16 Faults: Hidden Power Beneath Thailand"

Summary: Our exhibition shares knowledge about Thailand's 16 active fault zones, which cross through 23 provinces. We aim to educate the public and raise awareness about earthquake preparedness. The goal is to help people prepare for and mitigate risks from earthquakes, ensuring the safety of both property and lives.

Highlight: "16 Faults: Hidden Power Beneath Thailand" educational card game, an emergency pocket card game, and a "safe zone" earthquake game. Enjoy free snacks and souvenirs.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

7. Land Development Department

Exhibition: Know Your Soil, Earn Your Living

Summary: Our focus is on providing knowledge about soil, including how to analyze and improve it. Visitors will learn how to self-assess soil health by observing its characteristics in their own plots. This initial knowledge empowers them to address soil problems and implement proper soil management for the future.

Highlight: A soil health assessment activity and a souvenir-making workshop using different colored soils. Participants will gain knowledge, have fun, and take home a unique souvenir.

8. Department of Agriculture

Exhibition: Research for Thai Food, Medicine, and Global Markets

Summary:

- Explore high-potential herbal plants used in modern medicine, with real-life examples and posters of plants like Centella asiatica, turmeric, nutmeg, stevia, and aloe vera.
- Understand the classification and current uses of herbs in traditional and alternative medicine. Learn how to classify plants by growth, taste, and medicinal properties, with examples and posters.
- Discover various propagation methods for different herbs, including seed sowing, cuttings, and sterile culture, demonstrated with real examples and posters.
- See the latest herbal research (2022-2024) from the Department of Agriculture's Horticulture Research Institute, with actual research samples and posters on display.
- Participate in fun, engaging agricultural activities to expand your knowledge and experience.

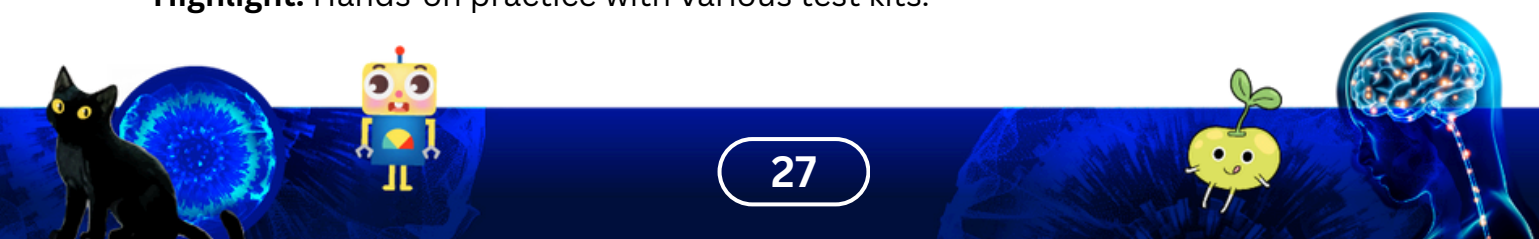
Highlight: Research and development of herbal plants to elevate Thai traditional wisdom for international application.

9. Department of Medical Sciences Ministry of Public Health

Exhibition: Department of Medical Sciences

Summary: demonstrating and providing hands-on practice with test kits for food, medicine, cosmetics, and pathogens. Visitors can also learn about medically significant insects and enjoy fun science games.

Highlight: Hands-on practice with various test kits.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

10. Metropolitan Electricity Authority (MEA)

Exhibition: MEA SPARK PLAY & LEARN from HISTORY

Summary: Explore the history of Thailand's electrical industry and enjoy fun activities while learning about MEA's mission. The booth features various zones including a mobile exhibition from the Electricity Museum, paper tram model folding, clean energy games with Solar Rooftop, electric vehicle games, and more.

11. Electricity Generating Authority of Thailand (EGAT)

Exhibition: EGAT Finding Heroes for All

Summary: Providing knowledge and presenting energy innovations through engaging media and activities.

Highlight: Showcasing innovations in energy

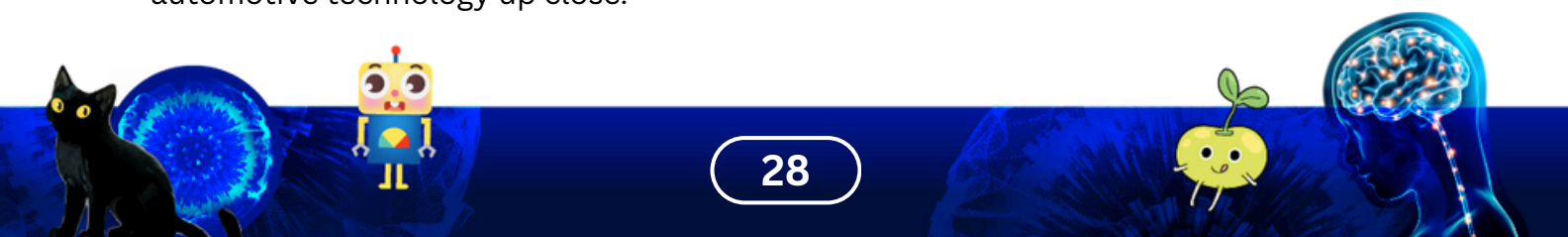
12. Expressway Authority of Thailand

Exhibition: Development of Connected and Autonomous Vehicle (CAV) Systems and Expressway Infrastructure to Support Autonomous Vehicles

Summary: The development of Connected and Autonomous Vehicle (CAV) systems in Thailand is rapidly advancing to meet the demand for efficient transportation and traffic management. Government agencies, private sectors, and academic institutions have begun implementing this technology in controlled environments for research and testing, aiming to improve driving safety, reduce road accidents, and enhance travel convenience.

The Expressway Authority of Thailand (EXAT), under the Ministry of Transport, is committed to being an innovative organization enhancing travel and quality of life. Since 2012, EXAT has continuously developed an Intelligent Transportation System (ITS) to improve expressway network efficiency, ensuring fast, safe, and convenient travel. EXAT supports the development of Vehicle-to-Everything (V2X) communication technology testing areas in Thailand, marking early research for autonomous vehicle systems. This supports innovation, traffic impact studies, business opportunities, and national competitiveness. Preparations are underway to integrate autonomous vehicle systems and V2X technology, including infrastructure data reception and sandbox testing zones on expressway networks.

Highlight: Showcasing innovations in Connected and Autonomous Vehicle (CAV) technology, including real vehicles for visitors to experience and learn about future automotive technology up close.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

13. Thai PBS

Exhibition: Thai PBS

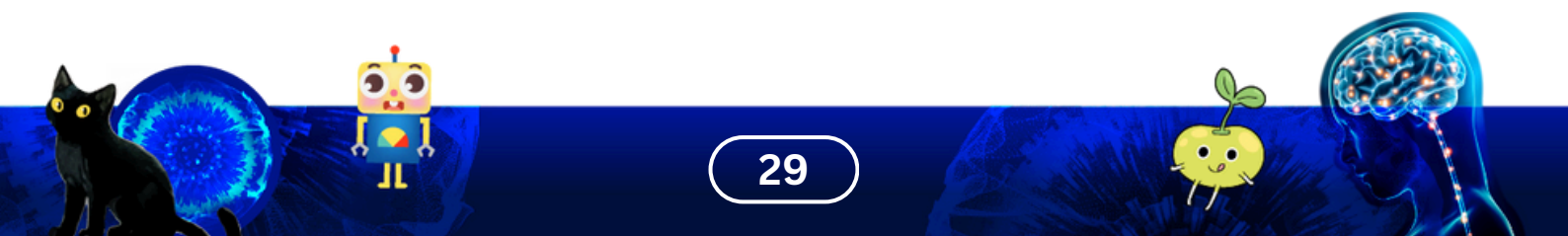
Core Concept: Thai PBS, as Thailand's public broadcaster, recognizes its value beyond television. It drives programs, products, and services that create accessible learning spaces for all, especially through the Thai PBS for Kids and Learning center and ALTV (Active Learning TV). These platforms offer engaging, educational activities for children and youth, including AI and digital literacy content from Thai PBS Digital Media, allowing visitors to enjoy learning experiences at the Thai PBS booth.

Summary:

- Theme: Thai PBS and Building Future Citizens
- Concept: Igniting the Power of Future Citizenship
- Key Concept: Sustainable media-based learning to nurture future citizens
- Core: Promoting quality and sustainable media consumption

Highlight: Thai PBS is Thailand's first and only public media, providing a creative learning environment for youth through four booth zones:

1. Central Zone: Showcasing civic engagement content tailored for young people as Thailand's public broadcaster.
2. ALTV (Active Learning TV): Channel 4 offers fun and equitable learning opportunities, reducing educational gaps with science content expanded via network partnerships.
3. Thai PBS Kids: A creative learning space to develop life skills for children through integrated content and fun activities.
4. AI by Digital Media: Showcasing AI and digital learning innovations from Thai PBS.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

14. PTT Public Company Limited

Exhibition: "3-2-1 Action Sustainability in Our Hands"

Summary: PTT presents the exhibition under the concept "3-2-1 Action Sustainability in Our Hands," a sustainable showcase where visitors learn about various energy sources connected to daily life, including current energy, future energy, and renewable energy. The exhibition highlights PTT Group's projects and innovations promoting environmental sustainability. The booth features educational zones, edutainment experiences, and fun activities that invite visitors to complete missions and win rewards for taking action.

15. Science Center for Education, Department of Learning Encouragement

Exhibition: Get fun with Science

Summary: "Get fun with Science" promotes learning through enjoyable, exciting, and engaging methods while maintaining core scientific content. It includes experiments, science play, and practical applications of scientific concepts in daily life to encourage positive attitudes and active learning.

Highlight: Activities designed to motivate and develop scientific thinking through direct experiences, fostering a positive attitude toward science.

16. Central Institute of Forensic Science, Ministry of Justice

Exhibition: Central Institute of Forensic Science

Summary: Providing forensic science services in various fields, including DNA analysis, drug and substance detection in hair, evidence examination, identification of missing persons and unidentified bodies, crime scene investigation, and fingerprint analysis.

Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

17. **King Prajadhipok's Institute**

Exhibition: Celebrating the Centennial of the Coronation: The Legacy of Siam

Summary: An exhibition commemorating the 100th anniversary of the coronation ceremony of King Prajadhipok (Rama VII). It features the royal biography and duties of King Prajadhipok and Queen Rambai Barni, the development of citizenship, and the role of science during his reign. The exhibition is divided into seven zones: Introduction, Coronation Ceremony of King Prajadhipok, Democratic Monarch, Development Along the Way, Citizenship and Democracy at King Prajadhipok's Institute, Siam and Science, and Play & Learn.

Highlight: The Play & Learn zone offers interactive games that teach key events from the nine years of King Prajadhipok's reign. Another highlight is the opportunity to take photos with the King Prajadhipok Museum as the backdrop.

18. **ThaiHealth Promotion Foundation**

Exhibition: The Challenge: Know the Smoke

Summary: Confronting the "challenge" of becoming the master of your own life path. This exhibition uses thought-provoking questions and scenarios to build resilience in children and youth against the current threat of e-cigarettes.

Highlight:

- Zone 1: Case Study to Your Story – Real news transformed into case studies on the harms of e-cigarettes.
- Zone 2: Immersive Real-Life Scenario – Life drama with decision-making, simulating real situations.
- Zone 3: Empower "I Choose" – Self-awareness and readiness for the future.

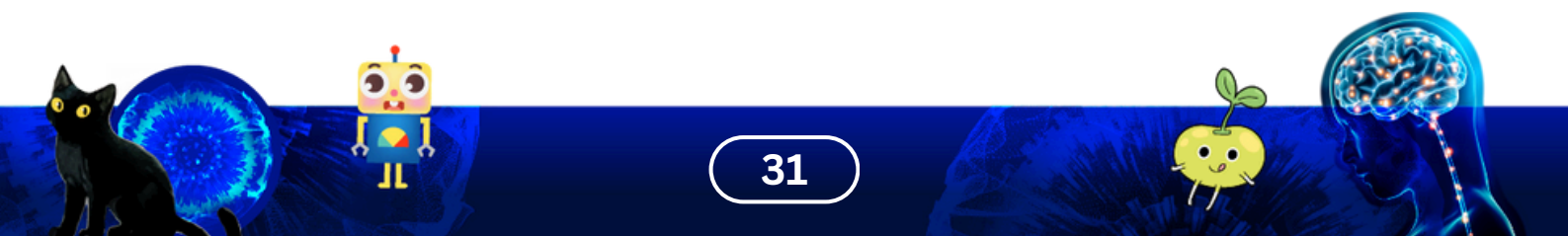
19. **National Cyber Security Agency (NCSA)**

Exhibition: National Cyber Security Agency

Core Concept: Cybersecurity education for students and the general public

Summary:

- Introduction to the agency and its functions.
- Cyber consultation services for interested visitors.
- Raising awareness and conducting activities to enhance knowledge and interest in cybersecurity.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

20. **The Golden Jubilee Museum of Agriculture office (Public Organization)**

Exhibition: Applying the Philosophy of Sufficiency Economy in Daily Life

Summary: Introducing the Sufficiency Economy agricultural exhibition, focusing on farming in limited spaces and applying the philosophy in everyday life.

Highlight: Vegetable planting, waste recycling, and sufficiency economy agricultural innovations.

21. **Office of National Museum**

Exhibition: Sustainable Coexistence

Summary: Anthropological and ethnological studies using scientific methods.

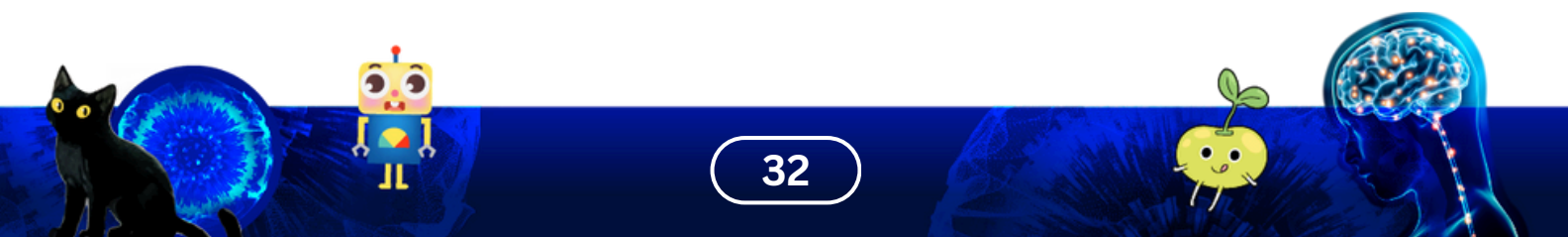
Highlight: Active learning activities within the exhibition to promote hands-on education.

22. **Royal Park Rajapruek**

Exhibition: Royal Park Rajapruek

Summary:

- A large, sustainable natural learning center in Thailand with international standards.
- A biodiversity repository certified as an international botanical garden.
- Committed to becoming a carbon-neutral organization with a goal of net-zero greenhouse gas emissions by 2027.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

Private sectors

1. **Apple Authorised Education Specialist**

Core Concept: Experience creative learning with iPad and Mac technology to connect science with the natural world. Promote science learning through creative perspectives and develop communication and storytelling skills using iPad and Mac.

Highlight: Hands-on activities using augmented reality and creative science storytelling through various technologies such as drawing, video creation, audio recording, and photography.

2. **Sarasas Affiliated Schools**

Core Concept: Sarasas : AI and Innovation for today

- Showcasing student innovations from Sarasas secondary schools following Project-Based Learning
- Kindergarten education based on Project-Based and Play-Based Learning
- Primary education using the STREAM Project-Based and Innovation approaches
- Secondary education focusing on Project-Based, Coding, and Inquiry methods

Highlight: Exhibition of innovative student projects from all 50 Sarasas affiliated secondary schools, alongside works from kindergarten, primary, and secondary education programs.

3. **Gammaco (Thailand) Co., Ltd.**

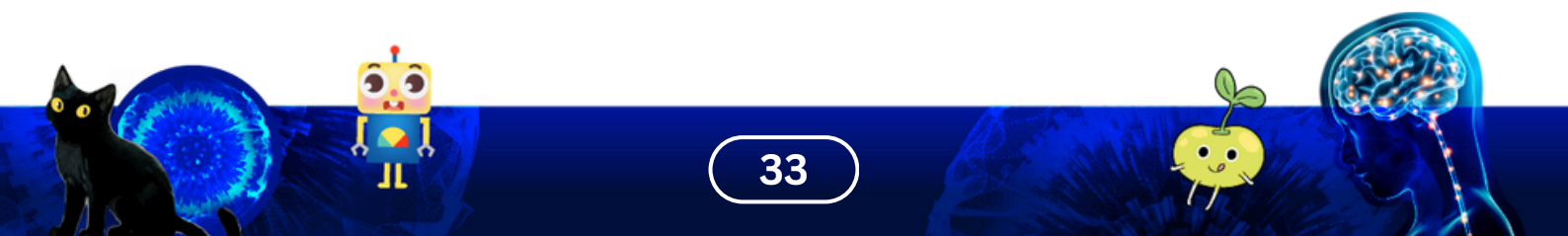
Core Concept: Enjoy learning and technology with Gammaco.

Highlight: Experience learning through STEM educational media.

4. **Kiddecia Co., Ltd.**

Core Concept: Organize activities related to dinosaurs.

Highlight: Dinosaur balloons and fossil excavation activities.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

5. **NanmeeBooks Co., Ltd.**

Exhibition: “SciSense: The Power of Science for a Sustainable Future”

Core Concept: As global focus on sustainability grows, NanmeeBooks embraces the 17 Sustainable Development Goals (SDGs), highlighting the three pillars of social, economic, and environmental sustainability. Our main emphasis is on the environmental aspect (Planet), covering goals 6, 12, 13, 14, and 15. We aim to raise awareness and understanding through our books, which serve as knowledge resources for learning and practical action.

Highlight: Engage in hands-on interactive activities that promote collaborative and creative learning, including crafting useful items from recycled materials to maximize their value.

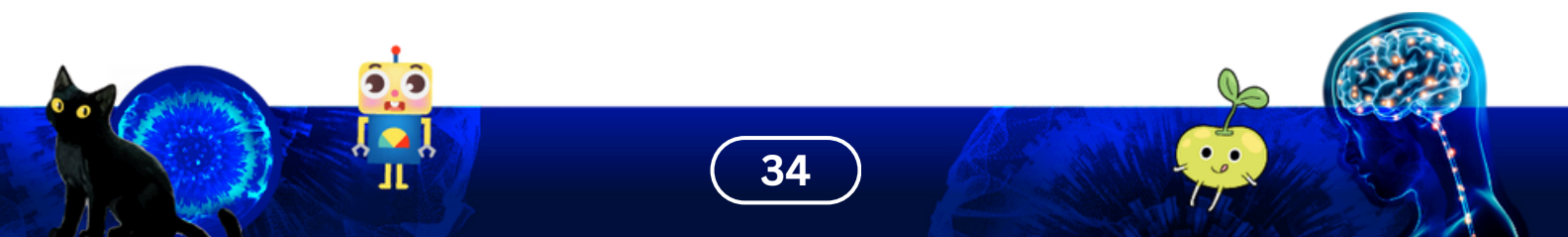
6. **Electricity Generating Public Company Limited**

Core Concept: Knowledge and activities promoting learning about energy innovation and sustainable social development.

7. **Siam Educate Co., Ltd.**

Core Concept: Focuses on empowering participants with ideas and methods to continuously develop their learning process. "Learn anywhere, without limits."

Highlight: An educational exhibition featuring innovative teaching materials from the USA, integrating STEAM Education with fun, hands-on activities that engage students in active learning.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

8. **Imagineering Education Co., Ltd.**

Exhibition: Innovation Coding STEM AI and IoT for Thailand

Core Concept: Learning and developing national-level technologies by integrating the essentials of coding, Artificial Intelligence (AI), Internet of Things (IoT), and STEM communication. The program aims to inspire everyone—from students to industry experts—through talks, hands-on activities, and innovation showcases that drive meaningful future change.

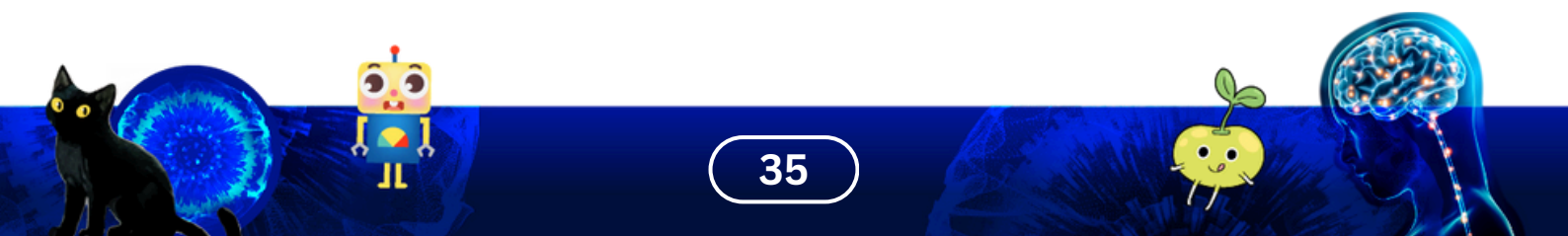
Highlight: Workshops for robotics competitions, showcasing creative AI, IoT, and STEM innovations.

9. **Kao Industrial (Thailand) Co., Ltd.**

Exhibition: Hygiene & Science for Sustainable Living

Core Concept: Focuses on teaching children about causes of global warming issues such as infectious diseases and sun damage, while allowing them to experiment with innovations hidden in everyday products. These activities aim to inspire children to apply this knowledge in daily life. Participants who complete all activities can spin a gachapon to win prizes. The program also encourages understanding of how everyday product innovations help prevent germs, maintain hygiene, and make life easier, along with promoting eco-friendly product choices for sustainable living.

Highlight: Join activities and spin the gachapon for prizes and more fun rewards.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

Associations, councils, foundations and museums

1. **The Science Society of Thailand Under the Patronage of His Majesty the King**
2. **The Council of Scientific and Technological Associations of Thailand**

Core Concept: An interactive exhibition promoting wildlife conservation through the application of science and technology.

Summary: This exhibition showcases Thailand's zoos and conservation efforts using immersive VR experiences and hands-on activities. Visitors can explore wildlife projects through technology and express their appreciation for animals through art.

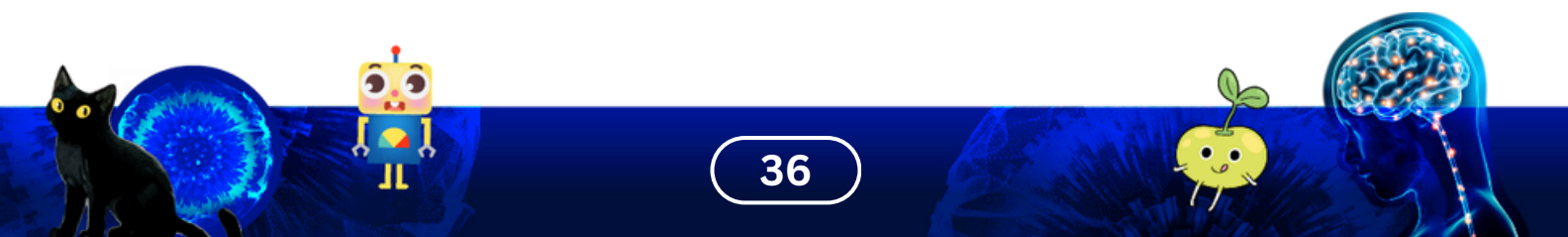
Highlight: Experience the "Chang Hua Man Royal Project" through VR games and participate in zinc plate drawing for students and the public.

3. **Food Science and Technology Association of Thailand**

Core Concept: Showcasing the role of food scientists in caring for the elderly to ensure their well-being and age-appropriate quality of life, while also giving young people the opportunity to learn and develop food innovations that benefit both health and local economies. This is presented through the works of university-level students participating in the FoSTAT Food Innovation Contest 2025 under the theme Food Innovation for Silver Generation.

Summary: Exhibition of winning student projects that creatively develop innovative food product ideas tailored to modern consumers. The activity aims to inspire youth to explore food innovation and raise awareness of their role in advancing the future of the food industry.

Highlight: Demonstrates the critical role of scientists in addressing current crises, while preparing for the future direction of the food industry—contributing to the sustainable growth of the national economy.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

4. Moon Manga Museum by YUME MOON Co., Ltd.

Core Concept: Original science-themed manga illustrations with hands-on workshops on manga drawing using pencils, erasers, colored pencils, and paper.

Summary: Explore the world of future science through “Universal Drugs,” an original science fiction manga. Enjoy interactive workshops where visitors can learn to draw manga directly from professional artists.

Highlight: Exhibition of hand-drawn manga using traditional G-Pen inking and Live manga drawing workshops

5. Rung Arun Museum

Core Concept: Exhibiting traditional Thai spinning tops from four regions and international tops to showcase each region’s creative concepts, linking play techniques and natural resource use to reflect lifestyles, culture, and inherited wisdom.

Summary: Display of traditional Thai toys and innovative new toys, along with fun DIY toy-making activities and Thai spinning top skill workshops.

Highlight: Practice playing Korean and Japanese spinning tops inspired by the Squid Game series.

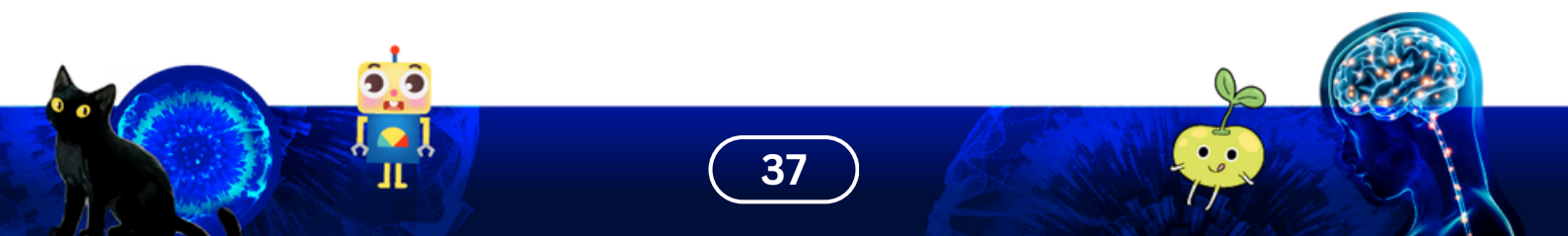
6. UN Global Compact Network Thailand

7. Association of Environmental Lawyers for the Creation

Core Concept: To promote environmental knowledge and related laws among children and youth.

Summary: Visitors can enjoy interactive quiz activities and traditional games. Legal experts will also be available to provide consultations, advice, and information on environmental laws.

Highlight: Learning tools through games and quizzes.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

International Organizations

People's Republic of China

1. China Pavilion

Exhibition: China Pavilion / Reproduction of Blue Sky and Clear Water

Organized by:

- Embassy of The People's Republic of China in The Kingdom of Thailand
- Chinese Research Academy of Environmental Sciences

Summary: The Chinese Pavilion will showcase China's innovative achievements in environmental protection through a variety of formats, including videos, posters, books, physical displays, and interactive activities.

Highlight: Air and water pollution control demonstrations, looping science videos, environmental quizzes and knowledge games, unique giveaways, and a coffee ecology activity, all designed to engage visitors and foster China-Thailand collaboration in environmental technology.

2. Booster Robotics Technology Co., Ltd.

Exhibition: Booster Robotics

Organized by:

- Beijing Association for Science and Technology
- Booster Robotics Technology Co., Ltd.

Summary: Booster Robotics showcases the humanoid robot Booster T1, specially designed for developers. It is lightweight, flexible, durable, and powerful. The robot will be demonstrated live, with interactive engagement with the audience.

Highlight: A humanoid robot demonstration featuring motion and audience interaction, illustrating the potential of next-generation robotics technology.

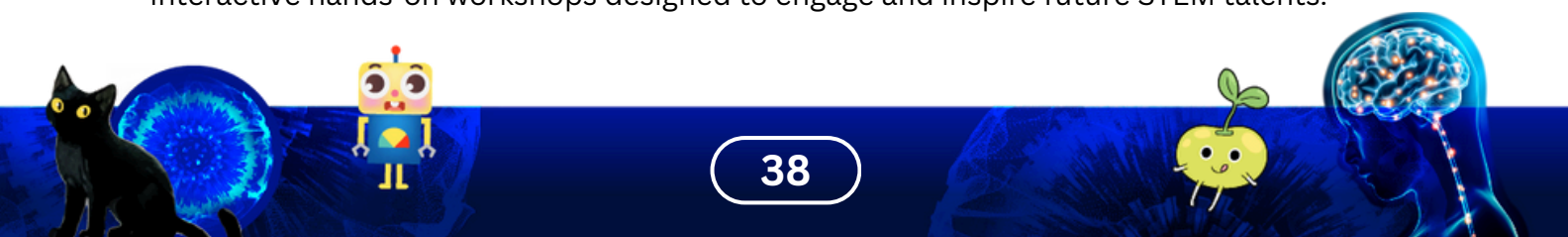
3. Science Beijing Network

Exhibition: China University Sci-Tech Study Camp

Organized by: Science Beijing Network

Summary: This exhibition introduces China's higher education system and promotes the 2026 Science & Technology Study Camp, organized in collaboration with Beijing-based universities and tech enterprises. The program welcomes international students, especially Thai high school students, to explore short-term academic opportunities.

Highlight: Key information on studying in China, highlights of top universities, and interactive hands-on workshops designed to engage and inspire future STEM talents.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

4. **Walking Astronomy Museum: Astro Xplore**

Exhibition: Walking Astronomy Museum: Astro Xplore

Organized by:

- Shanghai Science & Technology Museum
- Shanghai Astronomy Museum

Summary: Step into a fully immersive digital experience that transforms the traditional Astronomy Museum through cutting-edge XR and AI technologies. Designed as an interactive and educational metaverse experience, the exhibition allows visitors to explore the wonders of the universe in a virtual setting enriched with digitized exhibits, rare astronomical content, and captivating storytelling.

Highlight: A cutting-edge VR journey through space and time — from the Earth’s origins and galactic adventures aboard the “Lightseeker” spacecraft, to a stunning multimedia finale set to “Endless Universe,” a specially composed piece by Stephen Cavitt.

5. **NetDragon Websoft and EDA Thailand Co., Ltd.**

Exhibition: NetDragon Websoft and EDA Thailand Co., Ltd.

Organized by: NetDragon Websoft and EDA Thailand Co., Ltd.

Highlight: Experience future-ready learning with “Zuno,” an innovative educational platform, alongside cutting-edge Promethean smart displays and advanced AR glasses. Join our interactive booth activities and take home exclusive premium giveaways.

The Kingdom of Denmark

1. **Royal Danish Pavilion**

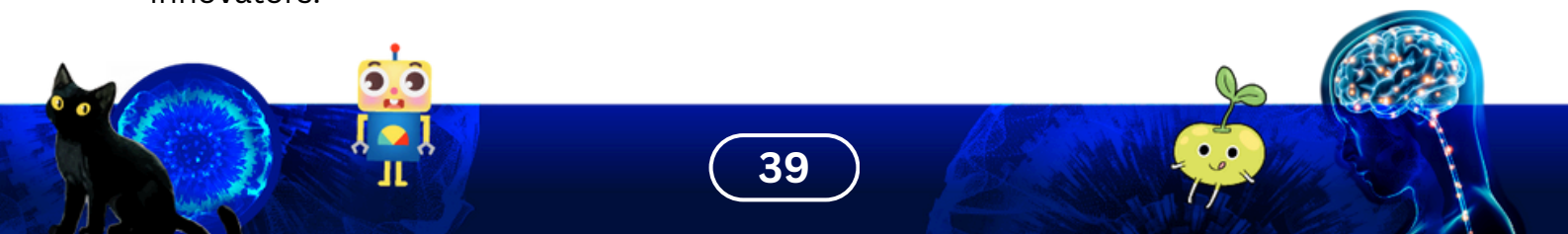
Exhibition: Royal Danish Embassy “LEGO Education partner Thailand”

Organized by:

- Royal Danish Embassy
- LEGO® Education Partner Thailand By Gammaco (Thailand) Co., Ltd.

Summary: This exhibition showcases the use of LEGO Education and LEGO Science to support hands-on STEM learning through fun; interactive activities designed for young learners to explore science in a creative way.

Highlight: Science experiments and demonstrations using LEGO sets, encouraging creativity, critical thinking, and scientific curiosity. Inspiring the next generation of innovators.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

French Republic

1. French Pavilion

Exhibition: French Pavilion

Organized by:

- Embassy of France in Thailand
- French Development Agency
- Airbus
- French School of Asian Studies
- French National Research Institute for Sustainable Development
- Thalès
- French Agricultural Research Centre for International Development
- Campus France Thailand

Summary: The French Pavilion brings together 7 partners presenting science for sustainability across three themes: biodiversity conservation, new technologies for heritage and engineering, and international cooperation. Activities include videos, posters, innovation models, and an educational VR game.

Highlight: A VR experience on biodiversity, innovation showcases by French leaders like Thalès and Airbus, and educational content from renowned academic and development institutions.

Federal Republic of Germany

1. German Pavilion

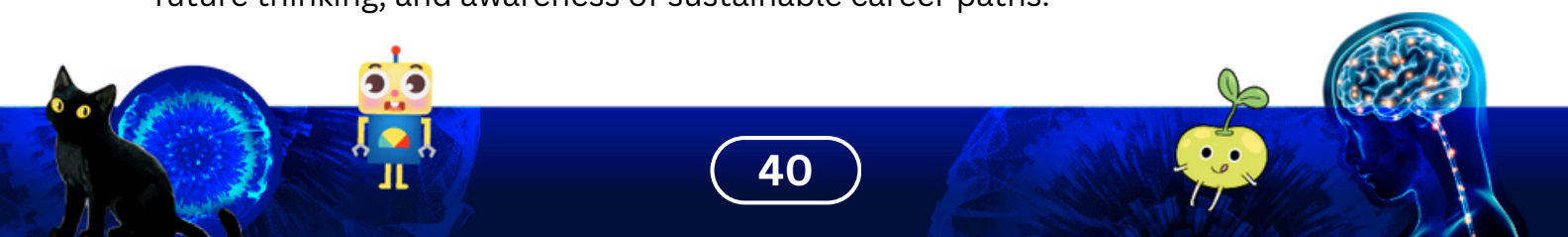
Exhibition: German Pavilion on Green Jobs

Organized by:

- Embassy of the Federal Republic of Germany
- Goethe-Institut Thailand
- BOSCH
- Evonik

Summary: The German Pavilion introduces “Green Jobs” through educational content on renewable energy, e-mobility, and the circular economy. Activities include expert talks, workshops, and interactive games, alongside guidance on green careers and study opportunities in Germany.

Highlight: "Meet the Experts" sessions, hands-on board games, and exchange program info – all tailored for secondary students to enhance language skills, future thinking, and awareness of sustainable career paths.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

Japan

1. Japan Pavilion

Exhibition: Japan Pavilion

Organized by:

- The Embassy of Japan
- Cabinet Office
- ARRI/CU
- Geo-Spatial Information Overseas Promotion Council
- Japan International Cooperation Agency
- Japan Aerospace Exploration Agency (JAXA)
- Japan International Research Center for Agricultural Sciences (JIRCAS)
- Japan Society for the Promotion of Science (JSPS)
- Japan Science & Technology Agency (JST)
- Kyoto University
- National Institute of Information and Communications Technology (NICT)
- International ORIGAMI PLANE Association
- Institute of Science Tokyo
- Tokyo University of Agriculture and Technology

Summary: The Japan Pavilion introduces Japanese science and technology in an easy-to-understand format, accompanied by a hands-on origami experience blending creativity and cultural expression.

Highlight: Accessible science content from Japan, along with an engaging origami activity to inspire creativity and cultural appreciation.

Republic of Korea

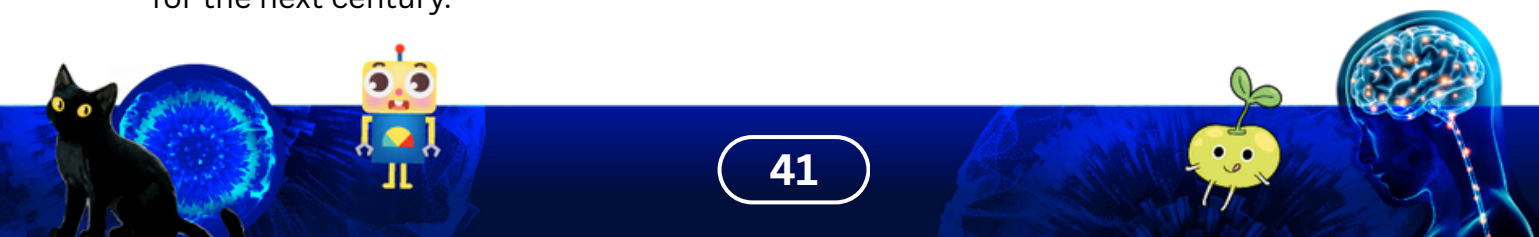
1. 21st Century Life Science Foundation

Exhibition: 21st Century Life Science Foundation , Hankook Life Science Institute

Organized by: 21st Century Life Science Foundation, HLSI Republic of Korea

Summary: The Korean booth showcases STEAM education lessons centered on six basic life necessities and sustainability. Through posters and materials, the exhibition engages students and educators in hands-on activities that build essential future-ready skills.

Highlight: Interactive STEAM learning to develop the 4C skills (Creativity, Critical Thinking, Communication, and Collaboration), aimed at inspiring students and teachers for the next century.



Exhibitions and activities on Science, Technology and Innovation advancements from Thailand and International Organizations

Malaysia

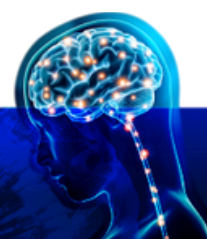
1. **Petrosains, The Discovery Centre**

Exhibition: PETROSAINS

Organized by: Petrosains, The Discovery Centre, Malaysia

Summary: PETROSAINS presents hands-on STEM and sustainability activities that promote curiosity, creativity, and scientific thinking. Visitors will engage in interactive learning experiences designed to inspire innovation and environmental awareness

Highlight: Key activities include Solar Playground (building a solar-powered fan), Food Safety Survivor card game, Eco-Bingo, LED Frame electronics kit, Tetra Tower stacking game, and MaKey MaKey interactive circuit experience. All aimed at merging fun with science learning.



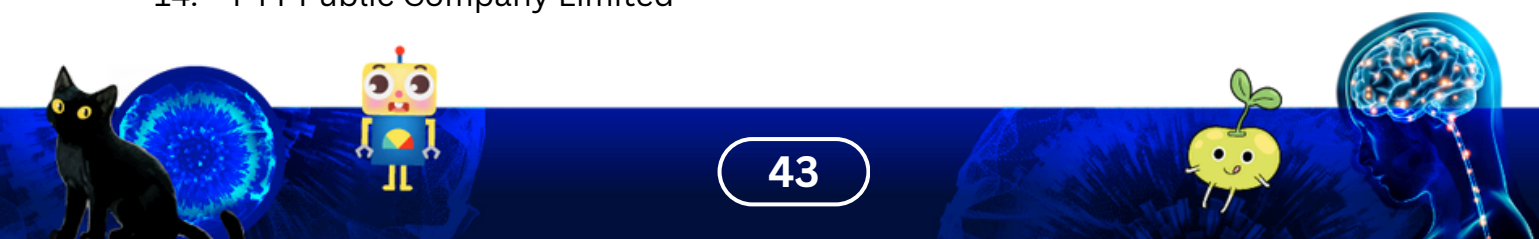
List of Participating Organizations National Science and Technology Fair 2025

Ministry of Higher Education, Science, Research and Innovation

1. Thailand Institute of Nuclear Technology (Public Organization)
2. Synchrotron Light Research Institute (Public Organization)
3. National Astronomical Research Institute of Thailand (Public Organization)
4. Thailand Institute of Scientific and Technological Research
5. Hydro-Informatics Institute (Public Organization)
6. National Research Council of Thailand
7. Office of Atoms for Peace
8. Geo-Informatics and Space Technology Development Agency (Public Organization)
9. National Science and Technology Development Agency
10. National Science Museum Thailand
11. Science and Technology Knowledge Center, STKC
12. Faculty of Science, Chulalongkorn University
13. King Mongkut's Institute of Technology Ladkrabang
14. Research Administration Division, Thammasat University, Rangsit Campus
15. Suan Dusit University
16. Ubon Ratchathani University
17. Faculty of Applied Science, King Mongkut's University of Technology North Bangkok
18. Chitralada Technology Institute

Government agencies

1. Department of Climate Change and Environment (DCCE)
2. Defence Science and Technology Department
3. Rice Department
4. Pollution Control Department
5. Royal Irrigation Department
6. Mineral Resources Office Region 3, Department of Mineral Resources
7. Land Development Department
8. Department of Agriculture
9. Department of Medical Sciences Ministry of Public Health
10. Metropolitan Electricity Authority (MEA)
11. Electricity Generating Authority of Thailand (EGAT)
12. Expressway Authority of Thailand
13. Thai PBS
14. PTT Public Company Limited



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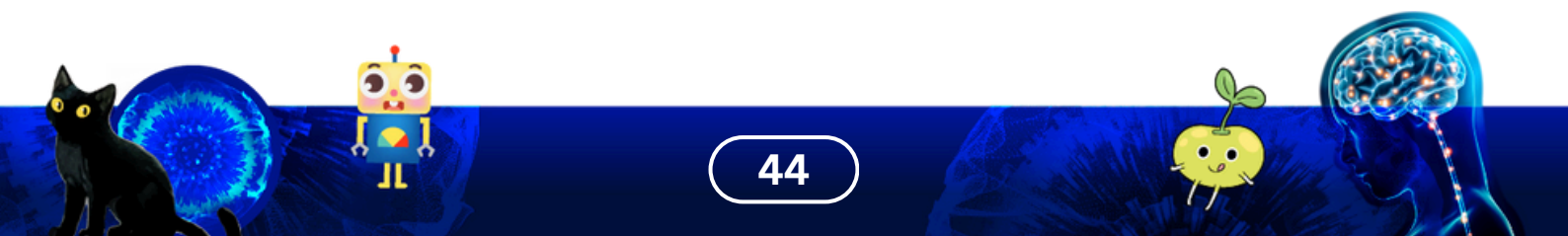
15. Science Center for Education, Department of Learning Encouragement
16. Central Institute of Forensic Science
17. King Prajadhipok's Institute
18. ThaiHealth Promotion Foundation
19. National Cyber Security Agency (NCSA)
20. The Golden Jubilee Museum of Agriculture office (Public Organization)
21. Office of National Museum
22. Royal Park Rajapruek

Private sectors

1. Apple Authorized Education Specialist
2. Sarasas Affiliated Schools
3. Gammaco (Thailand) Co., Ltd.
4. Kiddecia Co., Ltd.
5. NanmeeBooks Co., Ltd.
6. Electricity Generating Public Company Limited
7. Siam Educate Co., Ltd.
8. Imaginiaering Education Co., Ltd.
9. Kao Industrial (Thailand) Co., Ltd.

Associations, councils, foundations and museums

1. The Science Society of Thailand Under the Patronage of His Majesty the King
2. The Council of Scientific and Technological Associations of Thailand
3. Food Science and Technology Association of Thailand
4. Moon Manga Museum
5. Rung Arun Museum
6. UN Global Compact Network Thailand
7. Association of Environmental Lawyers for the Creation



List of Participating Organizations

National Science and Technology Fair 2025

International organizations

Commonwealth of Australia

1. Australian Embassy Thailand

People's Republic of China

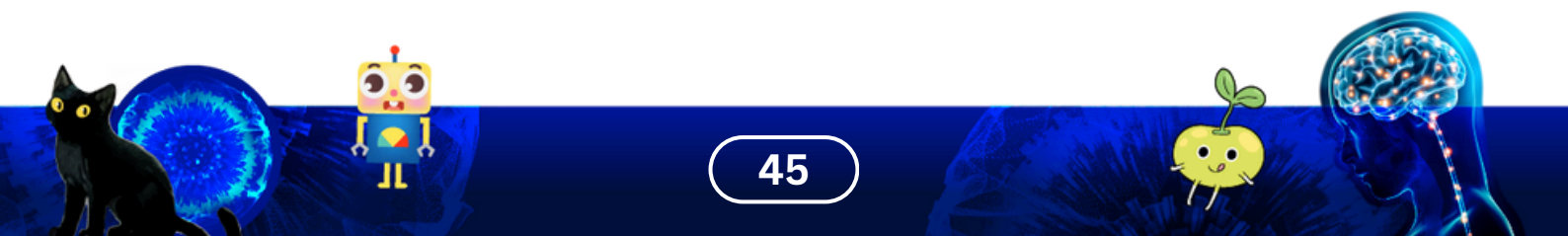
1. Embassy of The People's Republic of China in The Kingdom of Thailand
2. Chinese Research Academy of Environmental Sciences
3. Department of International Cooperation, Ministry of Ecology and Environment, P.R. China
4. Beijing Association for Science and Technology
5. Booster Robotics Technology Co., Ltd.
6. Science Beijing Network
7. Shanghai Science & Technology Museum
8. Shanghai Astronomy Museum
9. NetDragon Websoft and EDA Thailand Co., Ltd.

The Kingdom of Denmark

1. Royal Danish Embassy
2. LEGO® Education Partner Thailand By Gammaco (Thailand) Co., Ltd.

French Republic

1. Embassy of France in Thailand
2. French Development Agency
3. Airbus
4. French School of Asian Studies
5. French National Research Institute for Sustainable Development
6. Thalès
7. French Agricultural Research Centre for International Development
8. Campus France Thailand



List of Participating Organizations

National Science and Technology Fair 2025

Federal Republic of Germany

1. Embassy of the Federal Republic of Germany
2. Goethe-Institut Thailand
3. BOSCH
4. Evonik

Japan

1. The Embassy of Japan
2. Cabinet Office
3. ARRI/CU
4. Geo-Spatial Information Overseas Promotion Council
5. Japan International Cooperation Agency
6. Japan Aerospace Exploration Agency (JAXA)
7. Japan International Research Center for Agricultural Sciences (JIRCAS)
8. Japan Society for the Promotion of Science (JSPS)
9. Japan Science & Technology Agency (JST)
10. Kyoto University
11. National Institute of Information and Communications Technology (NICT)
12. International ORIGAMI PLANE Association
13. Institute of Science Tokyo
14. Tokyo University of Agriculture and Technology

Republic of Korea

1. 21st Century Life Science Foundation, HLSI Republic of Korea

Malaysia

1. National Science Centre of Malaysia
2. Petrosains, The Discovery Centre, Malaysia

Organizing Committee

National Science and Technology Fair 2025

Chairman of the Organizing Committee

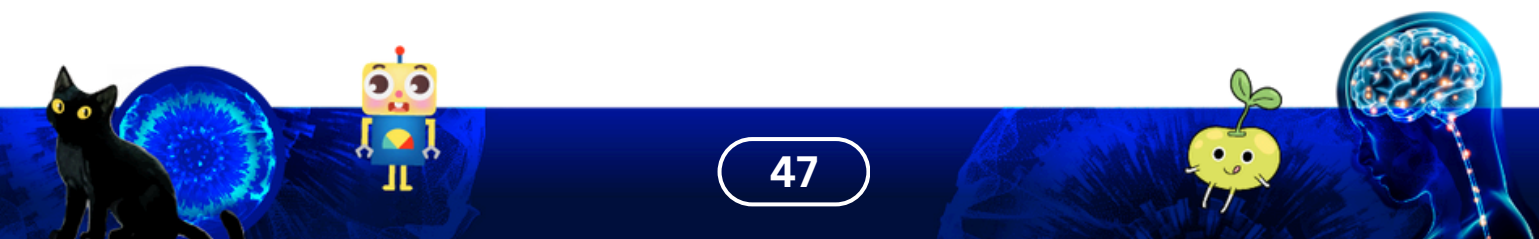
1. Permanent Secretary of Ministry of Higher Education, Science, Research and Innovation

Vice Chairman of the Organizing Committee

2. Deputy Permanent Secretary of the Ministry of Higher Education, Science, Research and Innovation

Organizing Committee

3. Director General, Department of Science Service
4. Executive Director of the National Research Council of Thailand
5. Secretary General of the Office of Atoms for Peace
6. Chairman of the Council of University Presidents of Thailand
7. Chairman of the Council of Rajabhat University Presidents of Thailand
8. Chairman of the Council of the Presidents of Rajamangala Universities of Thailand
9. Governor of the Thailand Institute of Scientific and Technological Research
10. President of the National Science and Technology Development Agency
11. Director of the National Institute of Metrology (Thailand)
12. President of the Office of The National Higher Education, Science, Research, and Innovation Policy Council
13. President of Thailand Science Research and Innovation
14. Executive Director of Geo-Informatics and Space Technology Development Agency (Public Organization)
15. Executive Director of Thailand Institute of Nuclear Technology (Public Organization)
16. Director of Synchrotron Light Research Institute (Public Organization)
17. Director of Hydro-Informatics Institute (Public Organization)
18. Executive Director of the National Astronomical Research Institute of Thailand (Public Organization)
19. Executive Director of the National Innovation Agency (Public Organization)
20. CEO of Thailand Center of Excellence for Life Sciences (Public Organization)
21. Director of the Institute of Community Colleges
22. President of Science Society of Thailand Under the Patronage of His Majesty the King
23. President of The Association of Private Higher Education Institutions of Thailand



Organizing Committee

National Science and Technology Fair 2025

Organizing Committee and Secretariat

- 24. President of the National Science Museum Thailand

Organizing Committee and Secretariat Assistant

- 25. Vice President of the National Science Museum Thailand
- 26. Director of Science, Research and Innovation Promotion and Utilization Division, The Office of the Permanent Secretary of the Ministry of Higher Education, Science, Research and Innovation
- 27. Director of National Centre for Public Awareness of Science, National Science Museum Thailand

NST FAIR 2025

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