



臺灣 科學節

2021 Taiwan SciFest
活動指南

Festival Guide

11.06

11.14



主辦單位



承辦單位



科學服務社會 Science For Society



臺灣 科學節

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臺灣科學節粉絲專頁
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臺灣科學節官方網站
TSF Website

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國立科學工藝博物館 07-380-0089
國立海洋生物博物館 08-882-5001

關於臺灣科學節

About the Taiwan Science Festival

自古以來，科學發展的巨輪驅動了人類文明的演進，前仆後繼的科學探究及豐碩成就，讓人類因而走的更遠、飛的更高。不斷運用科學的力量征服所面臨各種的考驗與挑戰，延續多彩多姿的地球生命故事，探索奧秘的浩瀚宇宙，並迎向未來無限的可能。

第一屆臺灣科學節主題為「我的地球，我來關懷」，由教育部轄下的五大科學館及十大科普基地，共推出百餘種、近兩千場次各類精彩的科學活動，吸引五十多萬民眾熱烈參與。透過新奇、歡樂及趣味的展演與體驗方式，落實把科學的種苗散播到臺灣每個角落，更讓國際看見臺灣科學創新與傳播的活力及能量。

第二屆臺灣科學節則以「科學服務社會」為主軸，為教育部及科技部共同主辦，透過承辦的五館及第一、二屆科普基地的精實連結，持續發揮科學實用、鮮活及創新的力量，實現全民樂學與樂活社會，加速臺灣邁向現代化國家。今年將推出更多元豐富且精彩絕倫的科學饗宴，誠摯邀請您一起來參加和體驗科學的美妙和樂趣！

Scientific developments have driven the evolution of human civilization since ancient times. Through scientific exploration and achievements, humans have traveled farther and higher. With the power of science, humans continuously overcome a variety of challenges, reveal the stories of life on Earth, explore the mysteries of the vast universe, and embrace the infinite possibilities for the future.

The 2020 Taiwan Science Festival was co-organized by five major science museums of the Ministry of Education and 10 SciBases under the theme "The Earth, Ours to Care". Nearly 2,000 program sessions featuring more than 100 science-based activities were held, attracting over 500,000 enthusiastic participants. Through novel, entertaining, and interesting exhibitions, performances, and experiential activities, the seeds of science education were planted all over Taiwan. In addition, Taiwan's scientific innovations were seen by the world.

The 2021 Taiwan Science Festival celebrates the concept of "Science for Society". Jointly presented by the Ministry of Education and the Ministry of Science and Technology and connecting five museums and SciBases of the first and second festivals, the focus remains on popularizing science, as well as highlighting its accessibility, vigoractivation, and innovation. This festival also showcases Taiwan's accelerated progress towards a modern society. There will be fun and educational activities for people of all ages and this year's events promise to be even more diverse and wonderful. We sincerely invite you to participate in this festival and to experience the beauty and fun of science!



五館簡介

Introduction to Five Museums



國立海洋科技博物館

National Museum of Marine Science & Technology

國立海洋科技博物館自2014年正式開館迄今七年，秉持「知海、親海、愛海」之建館使命，從軟硬體兼具的展廳，生動知性的體驗課程與渾然天成的山海環境出發，深入在地文化，結合北海岸得天獨厚的自然與人文資源，深化國人海洋素養與環境意識。

Since its founding in 2014, The National Museum of Marine Science and Technology has remained committed to its founding spirit of "Understanding, Supporting, and Loving the Ocean". We employ exhibition halls that are well-equipped with software and hardware, vibrant and passionate demonstration classes, and seamlessly created natural environments to increase people's awareness and appreciation of local culture, harness the unique natural and cultural resources of Taiwan's northern coast, and reinforce Taiwan's people's oceanic knowledge and environmental awareness.

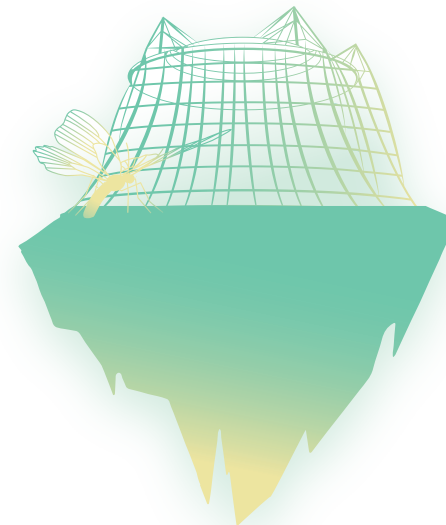


國立臺灣科學教育館

National Taiwan Science Education Center

國立臺灣科學教育館是一個提供全民學習科學教育的大寶庫，館內的常設展區能讓您飽覽生物、物理、化學、數學與地球科學等豐富的科學知識，並將最新、最生活化的科學新知透過最精彩、有趣的展示方法呈現，讓您發現原來科學這麼好玩！而兼顧動手操作的親身體驗，更能讓各年齡層民眾，以及所有對科學有興趣的人都能FUN心玩科學，進而愛上科學！

The National Taiwan Science Education Center is a great place for the general population to learn about the sciences. Inside the center, the permanent exhibition area allows the visitor to partake of abundant scientific knowledge about Biology, Physics, Chemistry, Mathematics and the Earth Sciences, also presents the latest and most relevant scientific knowledge in the most magnificent way. All age groups are served by the excellent popular science events, which provide everyone who is interested in science with the opportunity to enjoy some lighthearted fun with science and fall in love with it!



國立自然科學博物館

National Museum of Natural Science

國立自然科學博物館蒐藏超過150萬份標本和文物，每件都是特定時空膠囊，代表過去地球自然歷史故事的片段；研究人員從這些物件中，探索收集新的資訊，這些關於過去的發現，有助於我們為未來的預測。每年我們的員工和志工，藉由展品及教育計劃，與上百萬的訪客分享我們的蒐藏品和從中汲取的知識，從而加深他們對科學、自然和文化世界，及當代挑戰的認知。

The National Museum of Natural Science curates more than 1.5 million specimens and artifacts. Each one reflects a moment in space and time; in these moments we find Earth's story. And our researchers continue to glean critical new information from these objects. These discoveries about the past help us model and anticipate the future.

Our exhibits, our educational programs, and our staff and volunteers share our collections and the knowledge drawn from them with millions of visitors every year – deepening their cognition for science, the natural and cultural world, and the challenges of our time.



國立科學工藝博物館

National Science and Technology Museum

國立科學工藝博物館為國立社會教育機構，以推廣社會科技教育為其主要功能，故建館任務為研究、設計、展示各項科技主題，引介重要科技之發展及其對人類生活的影響。當「氣候變遷」為國際社會共同面臨的急迫挑戰之際，本館以聯合國及行政院發布之永續發展目標為綠博館計畫基礎，積極推動各項目標以實踐永續發展理念及社會教育使命。

The National Science and Technology Museum is a national social education institution aimed at promoting science and technology education. Therefore, NSTM is dedicated to the research, design, and display of various technological themes, and to introduce important technological development and its influence on everyday lives.

Corresponding to the urgent challenge of "climate change" facing the global community, NSTM actively promotes various goals to implement the concept of sustainable development and social education of Sustainable Development Goals announced by the UN and Executive Yuan as the basis for the Green Museum project.



國立海洋生物博物館

National Museum of Marine Biology & Aquarium

國立海洋生物博物館位於墾丁國家公園境內西北角龜山山麓臨海地區，以維護並保存完整的島嶼及海洋生態環境為職志。主要設施可分為三個展覽館：臺灣水域館、珊瑚王國館、世界水域館。另自2005年起與國立東華大學聯合成立了「海洋科學學院」，為未來海洋生物科技發展增加開發潛力。

The National Museum of Marine Biology and Aquarium is located at the northwestern tip of Kenting National Park. It is the largest facility on the island to offer venues for education, research and preservation of Taiwan's marine and fresh water environments. There are three main exhibits including Waters of Taiwan, Coral Kingdom and Waters of the World. In addition, the College of Marine Sciences was established in 2005 under collaboration between NMBA and National Dong Hwa University for enhancing the development of marine science and biotechnology.



國立海洋科技博物館 NMMST

海洋未來式
SEA you tomorrow



海洋議題黑客松

《2021 海洋漁村創客松》

Marine Hackathon - Scientist Action Project
2021 Ocean and Fish Village Innovathon



11.20 六 Sat.

09:00-17:00

線上成果展 Online Achievement Exhibition

中文 · 大專院校團體 / 社會團體 · 免費

Mandarin · Under graduated students / Social Groups · Free

針對海洋生態保育、潮汐發電、海廢回收、循環經濟等各項海洋環境議題探討，運用「馬拉松式的科技創作活動」，創造海洋議題討論的多元發展。於活動期間，預計邀請50組大專院校學生與新創團隊共同參與海洋議題黑客松，激盪對於海洋創新的想法，並作為孵化有潛力之海洋新創的起點，挑選優秀的團隊持續輔導深化。

Marine ecosystem conservation, tidal power generation, ocean waste recycling, and circular economy are the focuses of a marathon-style technology innovation event. Fifty teams of college students and start-up enthusiasts participate in a marine hackathon to develop new insights and incubate potential ideas for marine-based start-ups. Outstanding teams will be provided with guidance to further develop their projects.



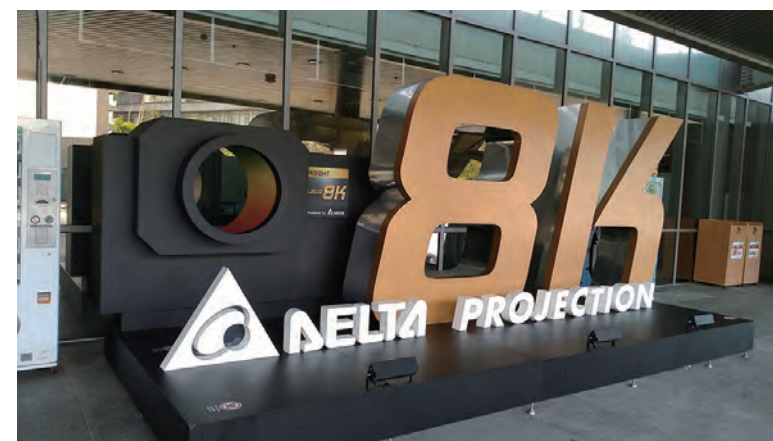
8K海底影片製播

Beneath the Sea 8K Film Screening



播放目前國內畫質最高的影片（8K解析度），影片片名為「海底的奧秘」，內容為介紹海洋生物（例如：海龜等）有趣的生活習性，以傳達海洋保育的概念。

The movie Beneath the Sea features 8K resolution, the highest of any film in Taiwan. It introduces marine creatures (e.g., sea turtles) and their interesting habits, as well as conveys marine conservation concepts.



11.06 六 Sat. — **11.14** 日 Sun.

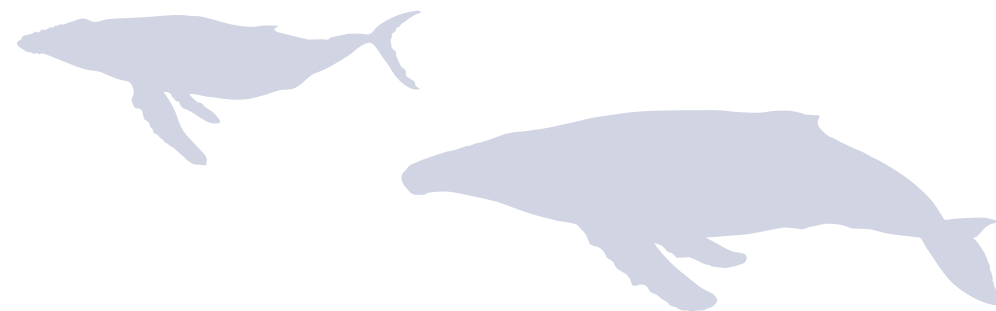
09:00-17:00

國立海洋科技博物館 海洋劇場

Ocean Theater, National Museum of Marine Science and Technology

中文 · 一般大眾 · 全票150元/團體票100元

Mandarin · Public · Adult 150 NTD / Group 100 NTD





影展與展覽 Film Festival and Exhibition

09.01 三 Wed.
|
12.31 五 Fri.
09:30-21:00

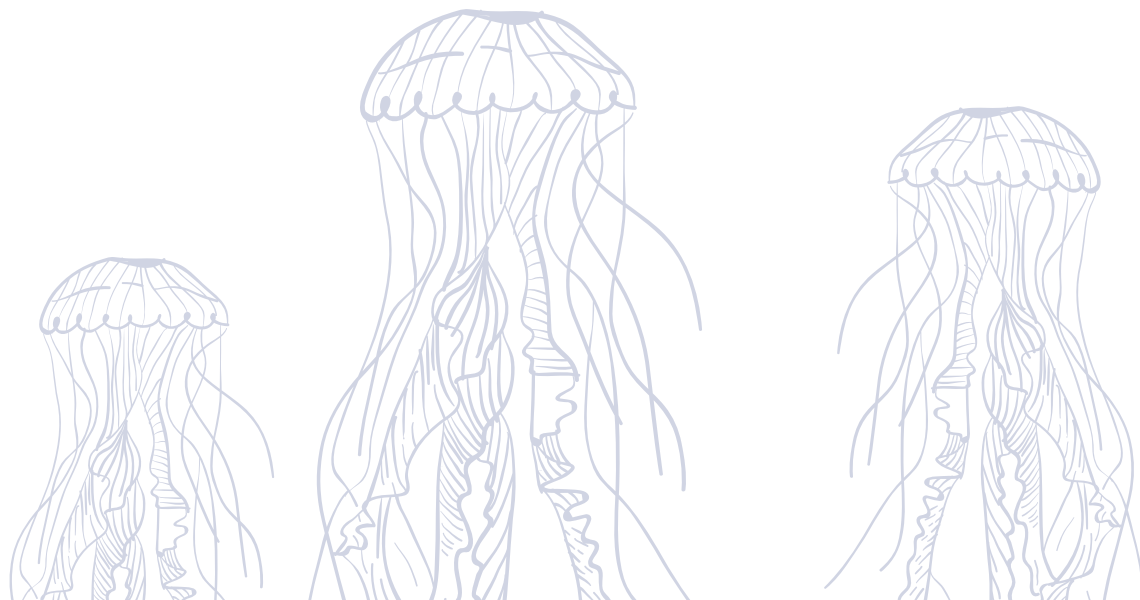
國立海洋科技博物館
National Museum of Marine
Science and Technology

中文 · 一般大眾 · 免費
Mandarin Public Free

海洋藝術光雕 Marine Art Projection Mapping

從廣場至潮境公園一帶在入夜後便化身蔚藍汪洋，透過各式造型燈具、科技光源特殊處理，更傳遞出對於海洋環境的重視與保護。利用小功率投光燈投射，營造出浪漫奪目的夢幻走廊，呼應八斗子半島以往是海島的氣氛，上面還優游著多種海洋生物。

The area from the square to Chaojing Park is transformed into blue ocean at night. Using specially designed lamps and technology-based light sources, the importance and protection of the marine environment are introduced. With low-power floodlights, a romantic and eye-catching dream-like corridor is created, echoing the atmosphere of the Badouzi Peninsula, including its many forms of marine life.



影展與展覽 Film Festival and Exhibition

海洋能源實踐基地及職涯中心展示計畫 Marine Energy Practices Base and Career Development Center Exhibition Project

結合館內既有的常設展廳、教育中心、海洋研究中心；配合8大職業主題與大學18學群規劃出的職涯知識探索空間。

Integrating permanent exhibitions, education center, and marine research center, a career exploratory space is complemented by 8 major themes and the university's 18 academic groups.

工作坊 Workshop

智能海洋一日飼育員計畫 I-Ocean: Aquarist for a Day

水族科學好好玩工作坊由民眾扮演一日實習飼育員，體驗水族館每天開門三件事：清缸、備餌、餵食。水族達人進階的體驗還有DIY佈缸，以及「有氣有力」的科學遊戲、幫水族缸的珊瑚做體檢。最終認識水族生存的要件以及照顧的方法成為水族達人。

In this fun aquarium science workshop, members of the public experience being an aquarist for a day, such as carrying out the three main tasks of aquarium opening every day: cleaning tanks, preparing bait, and feeding. A more advanced experience includes DIY arranging of tanks, "power of air" science game, and helping corals in the aquarium. In the end, participants gain an understanding of the essentials of aquarium survival and how to take care of an aquarium to become a master aquarist.

09.01 三 Wed.
|
12.30 四 Thu.
10:30-16:00

國立海洋科技博物館
職涯體驗中心
Marine Career Exploration
Center, National Museum of
Marine Science and Technology

中文 · 一般大眾
Mandarin Public

單一課程 30元
兩項課程 50元
One course 30 NTD
Two courses 50 NTD



11.06 六 Sat.
|
11.14 日 Sun.
09:00-17:00

國立海洋科技博物館
智能海洋館及潮境海洋中心
iOcean Aquarium and
Chaojing Ocean Center,
National Museum of Marine
Science and Technology

中文 · 一般大眾
Mandarin Public

300元/人
300 NTD/person



11.07 日 Sun.
|
11.14 日 Sun.
10:00-16:00

國立海洋科技博物館
教育中心海洋的生態廚房
Marine Eco-Kitchen at
Education Center,
National Museum of Marine
Science and Technology

中文 · 一般大眾
Mandarin Public

100元/人
100 NTD/person

工作坊 Workshop

船長帶路旬魚慢食生態廚房計畫 Captain Shows How to Choose Fish in a Slow Food and Ecological Kitchen

從當地食材在地餐桌開始，認識海鮮與生活的關係，了解永續海鮮指標。由漁船船長談漁業生產過程，認識漁具漁法友善環境漁獲，增加國人支持在地友善漁法的意願，讓生活、生產、生態三生可生不息。最後運用烹飪科學來做出最美味、最健康、最環保的佳餚。

Starting with local ingredients, participants explore the relationship between seafood and daily life and sustainable seafood indicators. A fishing boat captain talks about fishery operations and introduces fishing gear and fishing methods, as well as environmental-friendly methods, to increase support for local friendly fishing operations, so that connections among life, production, and ecology continue. Finally, culinary science is applied to make delicious, healthy, and environmentally-friendly dishes.



工作坊 Workshop

海洋公民實踐行動計畫 - 珊瑚保育和蟹的復育 Marine Citizen Scientist Action Project - Restoration of Coral Reefs and Horseshoe Crab Populations

蟹是臺灣西海岸即將消失的物種，以海科館復育的行動搭配學校的認養計畫，喚起人們對蟹的記憶跟關懷海岸棲地的重視；另外以Coral Watch珊瑚健康監測公民科學運動開始，讓更多人來關心珊瑚保育的議題；透過兩個主題實踐愛海的行動。

Focusing on coral reef conservation and education, as well as the Coral Watch citizen science movement for coral health monitoring, this activity extends to a crocheted coral reef art project. The purposes are to enable the public and students to understand issues of the oceans that cross national boundaries, coral reef biodiversity, and coral reef conservation.

03.02 二 Tue.
|
11.30 二 Tue.
09:00-17:00

國立海洋科技博物館
潮境海洋中心
Chaojing Ocean Center,
National Museum of Marine
Science and Technology

中文 · 一般大眾 · 免費
Mandarin Public Free

戲劇 Drama

森林國小不一樣戲劇展演 "You Are Unique" Theater Production

白白轉學到森林國小，發現同學都很不一樣：小博士聰明無所不知、豪哥細膩充滿少女心、跳跳是帥氣的運動高手。一次森林探險遇到熊怪，但熊怪也跟大家想像的不一樣！這讓白白非常困惑，但也因為每個人都不一樣，才是「最獨特的小星星」呀！

Bai Bai has transferred to the Forest Elementary School and found that his classmates are very different. The little doctor is very smart and seems to know everything. Haoge can be effeminate, but is also a strong athlete. Once while exploring the forest, Bai Bai saw a bear-like monster, but it was nothing like what he and the others imagined. This made Bai Bai very confused. Because everyone is different, everyone is the "most unique little star"!

科學競賽 Science Competition

遙控帆船競賽 Marine Technology Maker: Remote-Controlled Sailboat Competition

活動以STEM的教學方式辦理。經船體組裝零件教學、電路元件整合，完成遙控帆船後試航並紀錄航行數據，讓學員自行發揮創意。秉持「創客」精神，進行帆船改造，不斷試航及調整，進行遙控帆船競速及操控競賽。

This activity is based on STEM interdisciplinary education, life experiences, and teamwork. The hull assembly parts are machined using laser cutting equipment and integrated with electrical components. Completed sailboats are tested and data is recorded. Upholding the "maker" spirit, structural improvements can be made or the design of the sail can be changed. Finally, sailing and control competitions are held.



11.07 日 Sun.
11.14 日 Sun.
14:00-15:00

國立海洋科技博物館
國際會議廳
Conference Hall,
National Museum of Marine
Science and Technology

中文 · 一般大眾 免費
Mandarin Public Free

08.20 五 Fri.
|
11.14 日 Sun.
09:00-17:00

國立海洋科技博物館
National Museum of Marine
Science and Technology

中文 · 免費
Mandarin Free

國高中生(13~18歲)
High school students (Age 13~18)

10.02 六 Sat.
|
10.11 — Mon.
09:00-17:00

國立海洋科技博物館
National Museum of Marine
Science and Technology

中文 · 一般大眾
Mandarin Public

300元/人
300 NTD/person



科學演示 Science Demonstration

潮境方舟遊 Chao-Jing Ark Travel

體驗海科館進行望海巷海灣監測與保育的遊程。

Chao-Jing Ark Travel provides experience that how the NMMST implements bay monitoring and conservation.

05.05 三 Wed.
|
12.31 五 Fri.
09:00-17:00

國立海洋科技博物館
National Museum of Marine
Science and Technology

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Mandarin Free

弱勢族群
Disadvantaged groups



科學演示 Science Demonstration

未來哥倫布 Future Columbus

以社教揚愛之精神，補助弱勢團體入館體驗博物館之經驗及海洋友善課程。

In the spirit of social education, subsidies are provided to disadvantaged groups to experience the museum and its ocean courses.



科學演示 Science Demonstration

科學闖關踏點集章活動 Science Passport

以遊戲闖關方式走訪主題館各展廳相關科學議題，搭配多款科學節限定集章，讓民眾在遊戲中認識科普知識。

To pass through the various levels of a game, participants visit exhibitions and learn about various science-related topics. This is complemented by science festival limited edition stamps.

11.01 — Mon.
|
11.30 二 Tue.
10:00-16:00

國立海洋科技博物館
主題館
Main Exhibition Building,
National Museum of Marine
Science and Technology

中文 · 一般大眾 · 免費
Mandarin Public Free

科學市集 Science Bazaar

科學市集 Marine Science Fair

以海洋為主題，設置海洋科學體驗活動，以寓教於樂的方式，將保護海洋的觀念傳遞給參與的民眾。同時展出基隆市海洋教育推廣成果。

The marine science fair provides interesting activities for people to experience marine science and learn about marine conservation concepts. There is also an exhibition on the achievements of marine education promotion in Keelung City.

11.06 六 Sat.
|
11.14 日 Sun.
09:00-17:00

國立海洋科技博物館
National Museum of Marine
Science and Technology

中文 · 一般大眾 · 免費
Mandarin Public Free





08月 August

|

11月 November

09:00-17:00

國立海洋科技博物館
National Museum of Marine
Science and Technology

中文·學生 免費
Mandarin Students Free

論壇及研討會 Forum and Conference

年青女性科學家培力計畫 Young Female Scientist Training Program

本計畫將邀請海洋女性科學家進行專題講座及實驗室參訪活動，提升女學生投入海洋科學及科技領域的信心與勇氣，並於博物館內舉辦國小至大學女孩的海洋科學主題營隊，讓學生對於海洋領域有進一步之認識與興趣。

For this program female marine scientists give lectures and lead laboratory visits. The purpose is to elevate the confidence and courage of female students to enter the marine science and technology field. Camps are held at the museum for female students from elementary school to college on themes related to marine sciences to encourage their interest and provide them with an understanding of this field.



國立臺灣科學教育館
NTSEC

療癒時代
Vivid Life in Healing Era



盞夜市

Science Night Market



夜市不只好吃好玩，夜市還很科學呢！夜市常見的遊戲攤位，這裡通通有！！夜市會有的市井美食，這裡也不會少！！一起在這個夜晚感受科學節的輕鬆與喧囂，看表演、饗小吃、玩科學！

This night market is not only full of food and fun, but also science! On this night, enjoy game booths, amazing performances, food, and science!



11.13 六 Sat.

18:30-21:00

臺北科學藝術園區

Taipei Science & Art Park

中文 · 一般大眾 · 園遊券 250元/張

Mandarin · Public · Park ticket: 250NTD

空間實境轉譯遊戲

Problem-Solving Games



知識轉譯為空間跑臺活動，愉快氛圍下學習、接觸科學；串聯環境優點，賞夕陽與夜觀星，夜觀頂樓花園、樓層村落；隔日晨運與短講，談論後疫情時代議題，馬拉松式駐點博物館體驗，使觀眾可了解博物館價值，進而喜歡走訪，帶動從生活周圍學習不設限的觀念。

This is a two-day event that transforms information into station-based problem-solving games, creating an entertaining environment for learning science and connecting with the surroundings. Events include sunset watching, stargazing, night-exploring in the rooftop garden, and floor communities. There are also discussions on issues in the post-pandemic era. Marathon-style events enable participants to understand the value and enjoyment of museum visits and to encourage learning in different surroundings.



11.06 六 Sat. — **11.07** 日 Sun.

10:30

13:30

國立臺灣科學教育館（活動內容以科教館公告為準）

National Taiwan Science Education Center

中文 · 一般大眾 · 費用依官網公告為主

Mandarin · Public · Admission ticket is required





科學競賽 Science Demonstration

11.13 六 Sat.

依科教館官網公告

臺北科學藝術園區
科學嘉年華舞台區

Taipei Science & Art Park,
Science Carnival Stage

中文 · 免費
Mandarin Free

國高中學生組隊參加 12~18歲
Students for 12-18 years old

尬科學 - 演示擂台賽 Fun Science Demonstration Contest

科學演示尬起來!! 只要你敢秀, 就大膽秀出來, 組隊報名科學演示擂台賽, 設計各種科普演示, 展示有趣的科學理論和現象, 讓一般大眾也能親身感受科學的魅力, 而不再是枯燥無味的課堂知識!

Hurray! The Fun Science Demonstration Contest is here! Form a team and sign up. Then, design interesting demonstrations based on scientific theories and phenomena. Such demonstrations enable science learning to take place outside the classroom.

科學市集 Science Bazaar

科學市集嘉年華 Science Bazaar

將從醫療科技、新興科技、生活科技、自然科學、科技運用、永續環境、療癒科學等主題切入, 邀集Covid-19疫情以來, 臺灣應運而生的最新創意成品、最新研究技術, 來館展示、分享, 讓民眾有機會從組裝製作的過程中實際體驗各種科學原理和技術, 顛覆民眾對科學的想像, 產生對科學的求知興趣!

The Science Bazaar focuses on medical, emerging, and life technologies, as well as natural science, technological applications, environmental sustainability, and therapeutic science. The latest creative products and research technologies developed in Taiwan during the Covid-19 pandemic are on display. Visitors experience various scientific principles and technologies from assembly to production. Find out how interesting science can be!

11.12 五 Fri.

11.14 日 Sun.

10:00-17:00

臺北科學藝術園區
Taipei Science & Art Park

中文 · 一般大眾 · 免費
Mandarin Public Free



科學市集 Science Bazaar

科學巡迴教育活動 (館外活動) Traveling Science Educational Activities

科教館辦理科學巡迴教育活動, 將豐富科學教育資源擴大至外縣市地區, 分別為臺東縣、屏東縣、苗栗縣、金門縣及宜蘭縣。

The National Taiwan Science Education Center organizes educational activities outside of Taipei, with stops in Taitung, Pingtung, Miaoli, Kinmen and Yilan counties.

4月 April

12月 December

09:00-17:00

臺東縣 Taitung County
屏東縣 Pingtung County
苗栗縣 Miaoli County
金門縣 Kinmen County
宜蘭縣 Yilan County

中文 · 一般大眾 · 免費
Mandarin Public Free

科學市集 Science Bazaar

野餐嘉年華 Picnic and Carnival

於臺北科學藝術園區之綠色環境區辦理, 邀請招募優質攤位, 包含臺灣在地飲食 (食農教育)、新創/文創手作 (科學主題)、三館二園專攤, 享受陽光、綠地草原、主題攤位, 以獲得一個愉快的時光。

Taking place in the Taipei Science & Art Park, there will be quality food stalls selling Taiwanese specialties, handicraft makers, and museum booths. Visitors can enjoy the sunshine, green spaces, and themed stalls.



11.07 日 Sun.

10:00-17:30

中文 · 一般大眾 · 免費
Mandarin Public Free

國立臺灣科學教育館、美崙公園、臺北市立天文科學教育館、臺北市立兒童新樂園 (活動內容以科教館公告為準)

National Taiwan Science Education Center, Meilum Park, Taipei Astronomical Museum, Taipei Children's Amusement Park



11.10 三 Wed.
11:20-12:00
13:30-14:10

國立臺灣科學教育館
(線上直播)
Online Meeting Software,
National Taiwan Science
Education Center

中文 · 免費
Mandarin Free

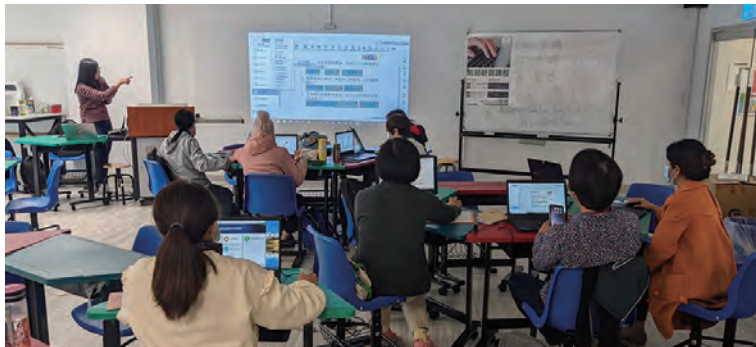
國小(中年級以上)、國中
Elementary and junior high
school student

科學課程 Science Course

全民科學日－線上科學課 Online Science Courses

2020年科學節辦理「i-Show線上科學課」大受好評。2021年持續推出並優化雙向教學互動，呈現科普教育0距離的公平性，使學習跨越時間與空間的限制，達到無所不在、終身學習的效益。

The i-Show online classes offered by the National Taiwan Science Education Center (NTSEC) in 2020 received positive feedback. In 2021, NTSEC is again offering online classes optimized for two-way interaction. Such classes enable impartial and zero-distance popular science education that overcomes the limitations of time and space and achieves the goals of life-long learning.



11.13 六 Sat.
09:30-16:30

國立臺灣科學教育館
8F 科學教室
8F Classroom, National
Taiwan Science Education
Center

中文 · 免費
Mandarin Free

教師、教育工作者
Teacher, Educator

科學課程 Science Course

「簡易電子書探索與實作」教師研習 "Easy eBook Exploration and Practice" Teachers' Seminar

後疫情時代，引導教師善用科技輔助教學，透過文字、影像和影片的編排整合呈現教學內容，讓學習者也能藉由數位資源達到學習科學的效果。

In the post-pandemic era, teachers need to make good use of technology-assisted instruction. Through the arrangement and integration of text, images, and videos, learners understand how to achieve science learning outcomes with digital resources.

科學課程 Science Course

自主科學學習活動 Autonomous Science Learning DIY E-books

配合新課綱鼓勵「自發、互動、共好」精神，以科教館研發「自主科學DIY電子書」進行實作教學。透過適性回饋機制，給予提示及指導，將科技、科學與生活連結，使探究與實作的素養培養融入DIY體驗中。

In line with the new syllabus which encourages initiative, interaction, and the common good, the National Taiwan Science Education Center has developed an autonomous science learning DIY e-books. Using an adaptive feedback mechanism based on e-books, tips and guidance are provided to connect technology, science, and life. Inquiry and practice are cultivated and integrated into the autonomous learning experience.



影展與展覽 Film Festival and Exhibition

夜探博物館 Night at the Museum

以夜間開放模式進行，提供一般民眾購票入館參觀常設展區，並於活動現場邀請優質飲食攤位入駐，期望科教館成為全齡化的科學館，擴大服務的族群，可以吸引成年人於下班後到館休閒學習。

This event takes place at night. Visitors can purchase tickets to access the permanent exhibitions and food stalls. It is hoped that this event will expand this center's service groups to include people of all ages, including adults getting off work. The Science Center expects to expand its service group to include people of all ages, including adults getting off work.

11.09 二 Tue.
11.11 四 Thu.
11.12 五 Fri.
10:30-11:30
14:00-15:00



國立臺灣科學教育館
8F 科學教室
8F Classroom, National
Taiwan Science Education
Center

中文 · 一般大眾
Mandarin Public

免費 (須購買常設展門票入場)
Free (Admission ticket is required)

11.06 六 Sat.
18:00-21:00

國立臺灣科學教育館
B1、1-2樓、大廳商場、常設展區
(活動內容以科教館公告為準)
B1F, 1F, 2F, Lobby, and
Permanent Exhibition,
National Taiwan Science
Education Center

中文 · 一般大眾
Mandarin Public

費用依科教館官網公告為主
The cost is based on the official
website announcement.



11.06 六 Sat.

|

11.07 日 Sun.

國立臺灣科學教育館
National Taiwan
Science Education Center

中文 一般大眾
Mandarin Public

費用依科教館官網公告為主
The cost is based on the official
website announcement.

影展與展覽 Film Festival and Exhibition

虛與實：微觀與巨觀

Virtuality and Reality: Mini and Maxi Scope Display

以科學技術數位化科教館標本展品，呈現專業3D圖像，並以結合空間實境轉譯遊戲活動串聯展場，預計規劃建置「虛擬科教館」，提供民眾線上與線下之虛實科學教育體驗。

The Science Education Center uses scientific technologies to digitalize the Science Education Center's specimen collections and present them professional 3D images. Also, by integrating problem-solving games with our display rooms, we plan to create a Virtual NTSEC where we provide audiences both online and onsite science-learning experience.



國立自然科學博物館
NMNS

在自然中看見科學
Seeing Sciences in Nature



大科學活動

Mad Science Night



11.05 五 Fri. / 06 六 Sat. / 12 五 Fri. / 13 六 Sat.

19:00-20:00

國立自然科學博物館 橢圓形廣場

Oval Plaza, National Museum of Natural Science

中文 · 一般大眾 · 需網路預約

Mandarin · Public · Online Reservation

科學秀要酷上加酷，去年的大科學活動的成功並不能停止我們的腳步，今年的大科學活動將以夜晚為主軸，開啟一連串的聲音並行的效果，無論是去年來參觀過的大小朋友，或是今年才知道訊息的朋友們，都歡迎在今年科學節的週末夜晚好好參與體驗。

Science shows can be entertaining. Building on the success of last year's Mad Science show, we present a night of science that includes sound and lighting effects. No matter whether you attended last year or just learned about this show, we welcome you to experience it during the Science Festival.



夜科學

Science Night

晚上也能參觀博物館？（當然可以，請跟我來）
從科博館生命科學廳入口進入展示場後，全部的展覽都讓你盡情參觀，接下來轉個彎，或許迎面而來的，就會幸運地碰到音樂快閃演出。繼續往前走，怎麼聽到了民眾的鼓噪聲，原來是橢圓形廣場中央，正上演著精彩的科學演示秀。

有想過夜晚的博物館是這樣的豐富有趣嗎？博物館愈晚愈美麗，來一場視覺與聽覺的饗宴吧！

Enjoy outstanding exhibitions at the National Museum of Natural Science at night. Turn a corner to come across a flash mob musical performance. Then, let the sound of applause lead you to a science show on the plaza. Did you ever think that a museum could be so interesting at night? The later the better, as you enjoy a feast for the ears and eyes.

11.05 五 Fri. / 06 六 Sat. / 12 五 Fri. / 13 六 Sat.

17:00-21:00

國立自然科學博物館 展示場

Exhibition Galleries, National Museum of Natural Science

中文 · 一般大眾 · 免費

Mandarin · Public · Free





11.05 五 Fri.
11.06 六 Sat.
11.12 五 Fri.
11.13 六 Sat.
18:00、20:00
各時段各解說一個特展

國立自然科學博物館
特展室
Special Exhibition Galleries,
National Museum of
Natural Science

中文 · 一般大眾 · 免費
Mandarin Public Free

影展與展覽 Film Festival and Exhibition

夜間部分場域開放及特展定時導覽 Nighttime Exhibitions and Guided Tours

進行「婚姻」、「臺灣玉」、「南安小熊安在否」和「樂活人生」特展夜間定時解說服務。歡迎在星光熠熠的美麗夜晚，感受自然科學的知識饗宴！

Nighttime guided tours of four special exhibitions are provided in 2021 Taiwan Festival, only available on particular dates. Welcome to explore and enjoy various subjects in the beautiful night!

影展與展覽 Film Festival and Exhibition

夜間音樂會 Nighttime Concert

博物館的展覽總是最高品質靜悄悄？讓我們一起來打破這個迷思吧！科博館特別邀請街頭藝人及音樂、舞蹈等表演團體來館演出。如果你在參觀的時候，遠方突然傳來悠揚樂器聲，請加快腳步，慢來可就看不到囉！

Not all museum exhibitions are static. The National Museum of Natural Science has prepared street artist, music, and dance performances. If you hear music playing, quickly search for the source, so that you don't miss out on a fantastic show!

11.05 五 Fri.
11.06 六 Sat.
11.12 五 Fri.
11.13 六 Sat.
20:00-21:00

國立自然科學博物館
National Museum of
Natural Science

中文 · 一般大眾 · 免費
Mandarin Public Free

工作坊 Workshop

夜間星象探索 Open Observatory at Night

由天文學家親自帶領，透過天文臺介紹、天文科技的新進展，及實際望遠鏡觀測，提供夜間學習的機會，增進天文觀測之認知。以期透過天文臺參訪，讓民眾可在市區就近接觸到天文觀測，開啟對於宇宙的好奇。

Public joint a funny tour to meet our astronomer, learn about the frontiers of science, understand the operation of the instrument, see amazing deep-sky objects by using the telescope. We are expecting the visitor to spark their curiosity about the universe.

影展與展覽 Film Festival and Exhibition

鐘乳石夢幻石林 The Fantastic Stone Forest: Stalactites

羅列在國立自然科學博物館橢圓形廣場廊道，穿梭在夜間夢幻光影的迴盪，數萬年歲月累積堆疊而成的鐘乳石林壯闊登場。這是一場知識與視覺的饗宴，更可稱得上是自然與藝術的絕佳組合。

Marvel at the interplay of light and shadow along the corridor surrounding the oval plaza of the National Museum of Natural Science from the forest of colossal stalactites that are tens of thousands of years old. This is a visual banquet of knowledge and beauty and a fascinating blend of nature and art.

11.05 五 Fri.
11.12 五 Fri.
19:00-21:00

國立自然科學博物館
天文臺
Observatory, National
Museum of Natural Science

中文 · 一般大眾 · 免費
Mandarin Public Free

11.06 六 Sat.
|
11.14 日 Sun.
09:00-17:00

國立自然科學博物館
橢圓形廣場
Oval Plaza, National
Museum of Natural Science

中文 · 一般大眾
Mandarin Public

免費 (須購買展示場門票入場)
Free (Admission ticket is required)



11.07 日 Sun.
11.14 日 Sun.
14:00-15:30

國立自然科學博物館
科學中心地下一樓演講廳
Science Center B1
Lecture hall, National
Museum of Natural Science

中文 · 一般大眾 · 免費
Mandarin Public Free

科學演示 Science Demonstration

臺科秀 Taiwan Science Show

臺科秀系列活動，結合臺灣優秀的自然科教師及專業人士，主題設定與民眾生活息息相關，如夜市、中秋節等，並融合生活裡或大自然中的現象，以趣味的演示方式，傳播科學概念與內涵，將有趣的科學知識與原理呈現給觀眾們。

The Taiwan Science Show invites outstanding natural science teachers and professionals to provide interesting demonstrations on themes related to daily life, such as night markets and the Mid-Autumn Festival, and phenomena in nature. These are used to convey scientific concepts, knowledge, and principles to the audience.

10.16 六 Sat.
10.17 日 Sun.
10.24 日 Sun.
10.30 六 Sat.
10.31 日 Sun.
11.06 六 Sat.
11.07 日 Sun.
11.13 六 Sat.
11.14 日 Sun.
11.20 六 Sat.
10:00-12:00
14:00-16:00

國立自然科學博物館
國際會議廳紅廳
Conference Room (Red),
National Museum of Natural
Science

影展與展覽 Film Festival and Exhibition

臺灣野望國際自然影展 WildView Taiwan International Nature Film Festival

由Wildscreen影展的得獎或入圍作品中挑選出21部世界級的頂尖作品，邀集相關領域學者專家與談、影片介紹、影片欣賞、心得分享與觀眾互動等方式，提供觀眾更寬廣的自然環境視野，掌握全球自然環境的脈動。

Twenty-one world-class films were selected from among the award-winning and nominated works of the Wildscreen Film Festival. Scholars and experts have been invited to carry out discussions and provide film introductions and critiques, as well as to share their thoughts on these films with audiences. This festival provides opportunities for audiences to broaden their perspectives on the world's natural environment.

外語發音 中文字幕 · 建議10歲以上
Mandarin subtitle Suitable for age 10+
免費 (須購買展示場門票入場)
Free (Admission ticket is required)



影展與展覽 Film Festival and Exhibition

「阿卡的冒險：光子秘密」影片賞析與導讀 Let's enjoy the popular science movie "Aka's Adventure: The Secret of Light"

一起來欣賞國家同步輻射研究中心跟金鐘獎最佳動畫節目得主 studio2 團隊合作完成的科普電影「阿卡的冒險：光子秘密」，透過動畫及導讀讓您輕鬆認識臺灣大型國家實驗設施「臺灣光子源」的奧秘！

Let's enjoy the popular science movie "Aka's Adventure: The Secret of Light", produced by the National Synchrotron Radiation Research Center (NSRRC) and "Studio 2", the Golden Bell Award for Best Animation Program Winner. Join us and learn the "mystery of Taiwan Photon's source" with fun via animation and wonderful narrative at the NSRRC.

影展與展覽 Film Festival and Exhibition

透過臺灣之光從標本中看見自然 Observing nature from specimens via Taiwan Photon Source

藉由「光之研究員」與「博物館科學家」現身說法，講述「臺灣光子源」的神奇之光，如何去探索昆蟲、古生物與礦物的特性，並讓小朋友身歷其境的近距離觀賞標本，讓兩大國家級研究單位的頂尖科學家，帶領小朋友探究科技與生活，顛覆你對「臺灣光子源」艱深難懂的印象，一窺光在日常生活中所扮演的角色。

Through introductions by "Light Scientists" and "Museum Scientists" and observing the specimens up close, children can explore the magical light of the magnificent "Taiwan Photon Source" as well as the characteristics of insects, paleontology and minerals beyond imagination. Top scientists of two advanced national research institutes guide young visitors through the most advanced technology available today and creatures of ancient times. The abundant exhibitions will subvert their perceptions of "LIGHT" and the incredible role that LIGHT plays in our daily life.

11.06 六 Sat.
10:00-12:00

國立自然科學博物館
生命科學廳B1多用途劇場
Life Science Hall B1 Lecture
hall, National Museum of
Natural Science

中文 · 一般大眾 · 免費
Mandarin Public Free

合辦單位：
國家同步輻射研究中心
Co-organized by National
Synchrotron Radiation
Research Center



11.13 六 Sat.
09:00-16:00

國家同步輻射研究中心
National Synchrotron Radiation
Research Center

中文 · 一般大眾 · 免費
Mandarin Public Free

合辦單位：
國家同步輻射研究中心
Co-organized by National
Synchrotron Radiation
Research Center

11.13 六 Sat.

火星科展 Mars science fair

11.14 日 Sun.

火星車降落賽

Rover landing contest

火星車避障賽

Rover obstacle avoidance contest

國立自然科學博物館
生命科學廳前廣場 /
鳥瞰劇場前廣場 / 橢圓形廣場
Plaza in front of Life Science
Hall and Bird's Eye View
Theater, Oval Plaza, National
Museum of Natural Science

中文 · 一般大眾 · 免費
Mandarin Public Free

合辦單位：東海大學
Co-organized by Tunghai
University



科學競賽 Science Demonstration

火星任務 Mission to Mars Competition

火星任務競賽活動是以高中生和大學為主的全國科學競賽，包含火星科學展覽以及火星車降落和避障大賽。火星科展學生必須組隊並且利用基礎科學理論知識來解決一個在火星生存的問題，火星車降落大賽則是讓高中生發揮科學創意，發展更好的火星車軟著陸降落方式。火星避障賽則是自行打造有避障功能的火星車進行競賽。

The Mission to Mars Competition is a national science competition for high school and college students. It includes a science fair focused on ways to land and avoid obstacles on Mars. Participating student teams use basic scientific theories and knowledge to resolve problems related to survival on Mars. The Mars rover landing competition is for high school students. They must create ways for a rover to achieve a soft landing and avoid obstacles during movement.

論壇及研討會 Forum and Conference

女性科學家活動 Science Experience for Future Female Scientists

科博館與財團法人台積電文教基金會將共同邀請12所女子高中辦理科學研習營活動，從物理學及材料科學等理論，講述半導體世界的應用知識。活動安排參觀半導體科技展示及專題座談交流等內容，提供女高中學生科技學習多元機會。

The National Museum of Natural Science and the TSMC Foundation have organized a science camp for students from 12 girls' high schools to provide in-depth knowledge on the applications of semiconductors based on physics and materials science. This event includes a visit to a semiconductor technology exhibition and a forum to provide opportunities for female high school students to learn about technology.

11.12 五 Fri.



至官網瀏覽
詳細活動資訊
Visit Our
latest events



論壇及研討會 Forum and Conference

國際科學大師講座 International Science Master Lecture

國立中興大學理學院與國立自然科學博物館今年再次合作，將於11/10及11/17，分別邀請東亞天文台兼James Clerk Maxwell天文臺臺長－賀曾樸院士，以及加州大學柏克萊分校天文學教授Alex Filippenko進行大型科學講座，並由臺灣大學物理系及天文所孫維新教授及國立自然科學博物館館長焦傳金博士共同主持。

希望藉由國際大師學者在天文理論與實務的知識分享，拓展民眾的國際視野，增進對天文與太空領域的認識，並啟發對尖端科技的興趣。

National Chung Hsing University and the National Museum of Natural Science will collaborate again this year. On November 10th and 17th respectively, we will invite Dr. Paul Tseng-Pu Ho, academican of Academia Sinica, Director General of the East Asian Observatory (EAO) and Director of James Clerk Maxwell Telescope (JCMT), and Prof. Alex Filippenko, Professor of Astronomy at the University of California, Berkeley to give formal lectures about their researches. The lectures will be jointly hosted by Prof. Wei-Hsin Sun, Department of Physics and Graduate Institute of Astrophysics at National Taiwan University and Dr. Chuan-Chin Chiao, NMNS Director General.

It is expected that sharing valuable experience and knowledge in astronomical researches by the Science Masters with the audience will broaden the international horizons of the public, enhance their understanding in space and astronomy, and inspire their interest in frontier technology.



11.10 三 Wed.

10:00-11:30

Dr. Paul Tseng-Pu Ho

國立中興大學理學院國際會議廳
International Conference Hall,
Science College Building, NCHU

中文 · 一般大眾 · 需網路報名
Mandarin Public Online Registration



11.17 三 Wed.

10:00-11:30

Prof. Alexei Filippenko

國立中興大學理學院國際會議廳
International Conference Hall,
Science College Building, NCHU

中文 · 一般大眾 · 需網路報名
Mandarin Public Online Registration

合辦單位：
國立中興大學理學院
Co-organized by National Chung
Hsing University College of Science



11.06 六 Sat.
11.13 六 Sat.
09:00-17:00

科學市集 Science Bazaar

曬科學 Science Bazaar

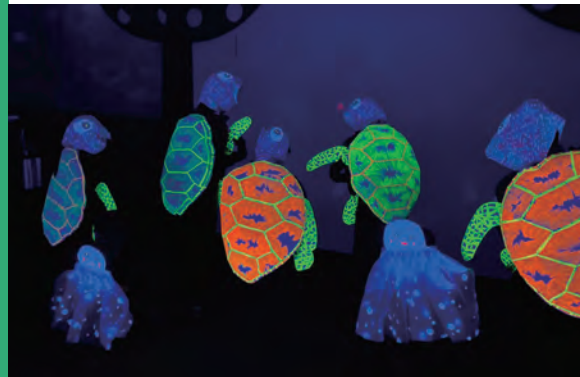
國立自然科學博物館
生命科學廳前廣場、西屯路廣場
Plaza in front of Life Science
Hall, Xitun Road Plaza, National
Museum of Natural Science

邀請中部五縣市、金門地區學校及公、民營科教推廣單位跨域合作，以「在自然中看見科學」的學習精神，舉辦「曬科學」科學市集，包含學校教學成果、科展作品、科學探究操作和生活應用體驗等豐富內容，讓親師生和社會大眾參與科普終身學習。

中文 · 一般大眾 · 免費
Mandarin Public Free

合辦單位：
臺中市政府
Co-organized by Taichung
City Government

The Science Bazaar has been jointly organized with science education institutions and schools from five counties and cities and the Kinmen area of Taiwan. Based on the spirit of "Seeing Sciences in Nature", booths cover topics such as learning outcomes of schools, science fair winning works, hands-on explorations, and real-life applications. Everyone is welcome to this relaxed learning environment to have fun with science!



11.13 六 Sat.
14:30-15:30
11.14 日 Sun.
10:30-11:30

國立自然科學博物館
國際會議廳藍廳
Conference Room (Blue),
National Museum of Natural
Science

中文 · 一般大眾
Mandarin Public

免費 (需網路報名)
Free (Online Registration)

戲劇 Drama

歸(龜)向何方 Where To Back

臺灣是個海島國家，周邊有許多美麗的珊瑚礁，你認識哪些海洋生物？公海龜去哪了？你知道海膽的雲丹在哪裡？透過偶戲來認識海膽與海龜，也了解地球暖化對牠們造成的危害，進而思考如何永續地保護大自然。

Taiwan is an island with many beautiful coral reefs. Which marine creatures do you know? Where did the male sea turtles go? Do you know where the sea urchin is? Learn about sea urchins and sea turtles through puppet shows, and also understand the effects of global warming on them and then think about how to protect nature sustainably.

工作坊 Workshop

動物造型筆袋DIY Animal-Shaped Pencil Case DIY

介紹哺乳類動物的特性，利用不織布設計各式各樣的動物造型，親手製作屬於自己的筆袋來體驗縫補的樂趣。



Introduce the characteristics of mammals, use non-woven fabrics to design various animal shapes, and make your own pencil cases to experience the fun of sewing.

11.06 六 Sat.
11:00-12:00

國立自然科學博物館
科學教室二
Science classroom (2),
National Museum of Natural
Science

中文 · 一般大眾
Mandarin Public

免費 (需網路報名)
Free (Online Registration)



工作坊 Workshop

鯊魚牙齒化石項鍊DIY Shark Teeth Fossil Necklace DIY

結合地質與海洋的特色，提供動手做「鯊魚牙齒化石項鍊」來親身感受古老海洋的魅力及神奇鯊魚的力量，將千萬年的生命歲月貼身收藏，快來一場與鯊魚的秘密約會吧！

Combining the characteristics of geology and ocean, provide hands-on "shark tooth fossil necklace" to experience the charm of the ancient ocean and the power of magical sharks. Collect thousands of years of life personally, come and have a secret date with a shark!

11.06 六 Sat.
14:30-15:30

國立自然科學博物館
科學教室二
Science classroom (2),
National Museum of Natural
Science

中文 · 一般大眾
Mandarin Public

免費 (需網路報名)
Free (Online Registration)

11.06 六 Sat.
16:00-17:00

國立自然科學博物館
科學教室二
Science classroom (2),
National Museum of Natural
Science

中文 · 一般大眾
Mandarin Public

免費 (需網路報名)
Free (Online Registration)

工作坊 Workshop

漢人童玩DIY Folkgame DIY

搭配環保議題，利用廢棄的竹筷與竹片結合，製作出各式各樣的復古童玩，如手搖鈴、手持風車等。可以體驗並認識到農村時期的童玩，讓人回憶起農村的生活。

To highlight environmental protection issues, discarded bamboo chopsticks and bamboo pieces are used to create a variety of traditional children's toys, such as bells and hand-held windmills. Learn about the toys once common in rural areas of Taiwan.



11.07 日 Sun.
09:30-10:30

國立自然科學博物館
科學教室二
Science classroom (2),
National Museum of Natural
Science

中文 · 一般大眾 · 免費 (需網路報名)
Mandarin Public Free (Online Registration)

工作坊 Workshop

蛤蠣吊飾DIY Clam Charm DIY

藉由常見的蛤蠣殼做成精美的吊飾來引導大家認識蛤蠣的特異功能，進而講述貝類與人類的關係，並思考如何達到環境永續發展。

Use common clam shells to make exquisite pendants to guide everyone to understand the special talent of clams, then tell the relationship between shellfish and humans, and think about how to achieve environmental sustainability.



工作坊 Workshop

史前臺灣奇遇記DIY (一&二) The Adventures of Prehistoric Taiwan DIY (1&2)

透過說故事的方式與角色扮演，並結合教具與手作DIY體驗活動，來認識早坂犀牛 (一) 及西拉雅文化 (二)。

Through story-telling and role-playing, combined with teaching aids and DIY activities, learn about Hayasaka Rhinoceros (1) and Silaya culture (2).

11.07 日 Sun.

11:00-12:00

早坂犀牛

14:30-15:30

西拉雅文化

國立自然科學博物館
科學教室二

Science classroom (2),
National Museum of Natural
Science

中文 · 一般大眾
Mandarin Public

免費 (需網路報名)
Free (Online Registration)

工作坊 Workshop

織布DIY Weaving DIY

藉由簡易織布器具帶領觀眾認識原住民圖騰所代表的意義及進一步理解不同的材質與織布技術。

Using simple weaving equipment, participants learn about indigenous motifs and a disappearing traditional art.



11.13 六 Sat.
11:00-12:30

國立自然科學博物館
科學教室二
Science classroom (2),
National Museum of
Natural Science

中文 · 一般大眾
Mandarin Public
免費 (需網路報名)
Free (Online Registration)



03.18 四 Thu.
|
11.30 二 Tue.
09:00-17:00

國立自然科學博物館
National Museum of
Natural Science

中文 · 中小學生 · 免費
Mandarin · Students · Free

科學演示 Science Demonstration

補助偏原鄉中小學參觀教學 Subsidized Educational Activities for Remote Elementary and Junior High School Students

整合科博館多樣教育資源，提供各式「主題體驗式」教學行程，促使偏原鄉學校走進博物館，參與臺灣科學節專案學習活動。在博物館學習推展與學校教育相輔相成下，均衡城鄉教學差距，增進校外參觀學習成效。

The museum brings a combination of various educational resources and form customized programs for remote schools participating in "2021 Taiwan Science Festival". The objective is to encourage students in remote areas to engage science in a fun and interesting environment.



國立科學工藝博物館
NSTM

循環經濟、生生不息
Circular Economy



告訴你萬物長生的秘密

Circle Journey

透過教具演示、互動遊戲及實際案例解說推廣「循環經濟行動」對民眾及其所生活之環境帶來的影響與永續發展的意義。透過重新定義廢棄物、重新設計產品與製程，運用新科技讓資源、原材料與廢棄物回到產業鏈內不斷循環，大幅減少能源與資源的消耗和廢棄物的產生。

The circular economy and its effects on people and the environment, as well as its significance to sustainable development, are explained using teaching aids, demonstrations, interactive games, and case studies.

11.06 六 Sat. — 11.14 日 Sun.

09:00-17:00

國立科學工藝博物館 北館 B1F

B1F, North Complex, National Science and Technology Museum

中文 · 一般大眾 · 須購買展示場門票

Mandarin · Public · Admission ticket is required



氣候變遷展示廳

Climate Change Exhibition



11.06 六 Sat. 起常設展展出

09:00-17:00

國立科學工藝博物館 北館 B1F

B1F, North Complex, National Science and Technology Museum

中文 · 一般大眾 · 須購買展示場門票

Mandarin · Public · Admission ticket is required

以「氣候變遷」展示廳作為展示平臺，加入「聯合國永續發展目標」、「全球暖化概念因應行動與策略」及「循環經濟」等新議題，透過淺顯的語彙及互動展示或展演教具，讓民眾能了解全球正在關心的議題。

Using the Climate Change Exhibition as a platform, topics such as the United Nations sustainable development goals; global warming concepts, actions, and strategies; and the circular economy are addressed. Through simple vocabulary, interactive displays, demonstrations, and teaching aids, visitors are introduced to global issues.





影展與展覽 Film Festival and Exhibition

11.06 六 Sat.
|
11.14 日 Sun.
09:30-16:30

國立科學工藝博物館
北館 B1F
B1F, North Complex, National
Science and Technology
Museum

中文 · 一般大眾 · 免費
Mandarin Public Free

科技藏品互動闖關遊戲 Interactive Games Based on Science and Technology Collections

2021年臺灣科學節開發的「科技藏品擴增實境闖關遊戲」，加入臺灣原住民族元素與生活智慧，藉由活動的推廣，除了讓參與民眾進一步瞭解科工館豐富的藏品及地球環境變遷的議題之外，更可以認識原住民傳統生活蘊藏的科學意涵！

The augmented reality game developed for the 2021 Taiwan Science Festival added the element of Taiwan's indigenous culture and wisdom of life. Through the promotion of the event, in addition to allowing the participating people to further understand the rich collections of the NSTM and the issues related to the changes in the global environment, we can also understand the scientific implications of the traditional life of indigenous peoples.

影展與展覽 Film Festival and Exhibition

魅力柿澀 - 擬真臺味：新埔柿染工藝 Persimmon-dyeing Craft Exhibition

柿染是新埔客家人惜物精神的展現，以廢棄的柿皮作原料，含有豐富的單寧酸與膠質，經日曬後不易褪色，還能越曬越深。透過展覽展示柿染在生活中的多元運用，鼓勵民眾從日常提升友善環境的意識，並享受天然染色的樂趣。

Persimmon dyeing is a form of expression among the Hakka people of Xinpu. Discarded persimmon skins are used as raw materials. They are rich in tannins and pectins. As such, their color does not easily fade and even deepens after exposure to sunlight. In this exhibition, the diverse applications of persimmon dyeing to daily life are shown, to raise awareness of environmental conservation concepts and the joy of dyeing with natural plant materials.

08.31 二 Tue.

|
11.28 日 Sun.

09:00-17:00

國立科學工藝博物館
北館 2F咖啡藝廊
2F Coffee Art Gallery, North
Complex, National Science and
Technology Museum

中文 · 一般大眾 · 免費
Mandarin Public Free

影展與展覽 Film Festival and Exhibition

2021臺灣能 - 潔能科技創意展 2021 Taiwan Energy - Clean Energy Innovation Exhibition

「2021臺灣能 - 潔能科技創意展」公開展示臺灣六大能源推動中心能源科技研究成果，藉由高互動性的展品與科普性的知識講解推廣能源議題，目標在於引發國人共鳴，在生活中展開珍惜能源、愛護環境的行動。

The 2021 Taiwan Energy - Clean Energy Innovation Exhibition displays energy technology research achievements of 6 major energy promotion centers in Taiwan. Topics related to energy are presented through interactive exhibits and explanations. The purpose of this exhibition is to inspire the public to take action to protect resources and the environment.



11.27 六 Sat.
|
12.05 日 Sun.
09:00-17:00

國立科學工藝博物館
北館 1F三角大廳
1F Lobby, North Complex,
National Science and
Technology Museum

中文 · 一般大眾 · 免費
Mandarin Public Free

影展與展覽 Film Festival and Exhibition

Circular幼兒紙科學 Circular Paper Science for Young Children

本活動以紙為主題，分為外牆拍照區、科學&教具、紙科學探索、幼兒藝術創作與幼兒閱讀等五大區域，引領幼童及民眾有關紙類產品循環再利用之觀念，透過有趣的紙類科學互動遊戲，讓孩子在遊戲中了解平常使用的紙張，透過回收再利用，可創造出許許多多的用處。

This activity is divided into 5 main areas: photography in the outdoor, science and teaching aids, exploration of paper science, art creation for children, and reading.



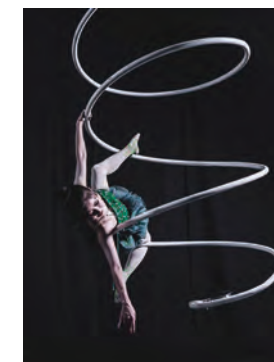
11.06 六 Sat.
|
11.21 日 Sun.
09:30-12:30
13:30-16:30

國立科學工藝博物館
北館 1F三角大廳
1F Lobby, North Complex,
National Science and
Technology Museum

中文 · 一般大眾 · 免費
Mandarin Public Free



11.06 六 Sat.
|
11.07 日 Sun.
18:30-19:30



110.
02.04 四 Thu.
|
112.
02.05 日 Sun.
09:00-17:00

影展與展覽 Film Festival and Exhibition

唐獎榮耀展 Glory of the TANG PRIZE Laureate and Diploma Exhibition

展覽以多元的展示手法、包括：多媒體影音、情境體驗及得獎者提供的真實物件，帶領大眾認識唐獎及了解得獎者貢獻與成就。

The exhibition uses a variety of display methods, including: multi-media audio and video, situational experience and real objects provided by the winners, to lead the public to understand the Tang Prize and understand the contributions and achievements of the winners.

國立科學工藝博物館
北館 1F東側長廊
1F East Side Promenade, North Complex, National Science and Technology Museum

中文 · 一般大眾
Mandarin Public

免費 (須購買常設展門票入場)
Free (Admission ticket is required)

戲劇 Drama

地球保衛戰，Action! The Fight for The Earth!

在寧靜的小漁村中上演著村民有為、金員外與美少女芳芳之間的糾葛，以及人與環境間的拉扯，以戲劇演出結合特技的表演形式，活潑逗趣的臺詞與互動，用最動感的科普戲劇感動你的心。

In a quiet fishing village, there are entanglements among Youwei and the wealthy Jin over the beautiful Fangfang, as well as struggles between the people and the environment. This interactive performance includes stunts and lively and interesting dialogue. Touching your heart with the most moving science drama.

國立科學工藝博物館
南館 戶外度量衡廣場
Multiple Measurement Square, South Complex, National Science and Technology Museum

中文 · 一般大眾 · 免費
Mandarin Public Free



影展與展覽 Film Festival and Exhibition

啟動創新實驗場 Innovating A Better Future Exhibition

11.06 六 Sat. 常設展出
09:00-17:00

透過自主操作平板及互動小遊戲，介紹臺灣自己研發的循環經濟技術，從捕捉二氧化碳、過濾水到廢液晶面板回收，讓觀眾從淺顯的介紹與互動遊戲了解「循環經濟」在日常生活的應用。

Through autonomous operation of tablet computer and the playing of interactive games, circular economy technologies developed in Taiwan are introduced. From capturing of carbon dioxide to filtering of water and recycling of LCD panels, audiences understand how the concepts of the circular economy can be applied to daily life.

國立科學工藝博物館
北館 6F
6F, North Complex, National Science and Technology Museum

中文 · 一般大眾
Mandarin Public

免費 (須購買常設展門票入場)
Free (Admission ticket is required)





工作坊 Workshop

原民紡織文化與香蕉紗線創作 Indigenous Weaving Culture & Banana Fiber Works

在原民紡織文化和循環經濟結合下，以香蕉纖維（絲）紗線為媒材，開發紡織機教具，辦理香蕉絲創作及紡織教學活動，讓民眾了解編織圖紋的設計邏輯。活動將邀請原民職人演示傳統紡織，介紹原民紡織文化的技術和材料。（活動內容以科工館公告為準）

By combining indigenous weaving culture and the circular economy, banana fibers are used as the medium for developing a loom teaching aid for producing banana fiber woven works and teaching weaving techniques. Visitors learn about the logic behind weaving patterns. In addition, indigenous weavers provide demonstrations and introduce the techniques and materials used in indigenous weaving culture. (The content is based on the official website announcement)

11.06 六 Sat.
|
11.14 日 Sun.
09:30-12:30
13:30-16:30



國立科學工藝博物館
北館 B1F 創客工場
B1F True Dreamland, North
Complex, National Science and
Technology Museum

中文 · 一般大眾
Mandarin Public

免費 (須購買常設展門票入場)
Free (Admission ticket is required)

11.06 六 Sat.
|
11.14 日 Sun.
09:30-12:30
13:30-16:30

國立科學工藝博物館 北館
B1F 創客工場
B1F True Dreamland, North
Complex, National Science and
Technology Museum

中文 · 一般大眾
Mandarin Public

費用依科工館公告為主 (需網路報名)
The cost is based on the official website
announcement (Online Registration)

10.02 六 Sat.
10.03 日 Sun.
10.09 六 Sat.
10.10 日 Sun.
10.16 六 Sat.
10.17 日 Sun.
10.23 六 Sat.
10.24 日 Sun.
10.30 六 Sat.
10.31 日 Sun.
11.06 六 Sat.
11.07 日 Sun.
11.13 六 Sat.
11.14 日 Sun.
11.20 六 Sat.
11.21 日 Sun.
11.27 六 Sat.
11.28 日 Sun.
09:30-11:30
14:00-16:30

工作坊 Workshop

假日科學饗宴活動 Weekend Science Feast

為培養學童基礎科學知識與素養，整合應用科技資源，推出假日科學饗宴活動，辦理樂高與機器人、玩具科學、幼兒創藝、生物世界、物理化學、天文、生活科學...等多元主題活動。

To cultivate scientific knowledge and science literacy, the National Science and Technology Museum has integrated applied science and technology resources to develop the Weekend Science Feast. This includes building of LEGO robots, toy-related science, children's creative arts, biological world, physics and chemistry, astronomy, and living science.



國立科學工藝博物館 北館
North Complex, National
Science and Technology
Museum

中文 · 大班至國中
Mandarin · Age 5+

200-400元
200-400 NTD



工作坊 Workshop

玩具醫生 Toy Doctor

以玩具維修為題，鼓勵民眾經由動手實作進行探究和學習，了解玩具中包含的知識和技術。參與民眾在專業達人扮演玩具醫生角色的帶領下，可在工作坊交流學習中自行修復故障玩具，產生再生效益。（活動內容以科工館公告為準）

Based on the topic of toy maintenance, participants are encouraged to explore the knowledge and technology of toys through hands-on activities. An expert plays the role of a toy doctor to lead a workshop on toy repair, to enable broken toys to be reused. (The content is based on the official website announcement)



科學市集 Science Bazaar

東南亞趣味香草科學活動 Interesting Vanilla Science Activities in Southeast Asia

透過現場活動培育孩童多元文化的相關知識與體驗。

Through on-site activities, children cultivate knowledge during this multicultural experience.

10.09 六 Sat.
10.23 六 Sat.
10:00-12:00

國立科學工藝博物館
北館 1F三角大廳
1F Lobby, North Complex,
National Science and
Technology Museum

中文 · 一般大眾 · 免費
Mandarin Public Free

科學市集 Science Bazaar

10.22 五 Fri.
|
10.23 六 Sat.
09:00-16:00

第40屆高雄市中小學科學園遊會 The 40th Kaohsiung City Primary and Secondary School Science Park Fair

參與擺攤學校設計有趣的科學遊戲關卡，增進市民與學童對科學的學習與興趣，並提供大眾科學素養。

Participating schools design interesting science games to encourage scientific learning and cultivation of science literacy.

線上活動
Online Activity

中文 · 一般大眾 · 免費
Mandarin Public Free



科學市集 Science Bazaar

循環生活嘉年華 Circular Economy Fair

以循環經濟為主題，邀請產官學界展示其發展資源循環再利用之成果，啟發民眾對循環經濟與資源再利用的觀念。

Circular economy is the topic of this fair. Displays on achievements in circular economy are invited from enterprises, government agencies, and educational institutions. The purpose is to convey concepts of the circular economy and resource reuse.

11.06 六 Sat.
10:00-16:00

11.07 日 Sun.
11:00-16:00

國立科學工藝博物館
北館 戶外平等大道
Outdoor Equality Avenue, North
Complex, National Science and
Technology Museum

中文 · 一般大眾 · 免費
Mandarin Public Free



瀏覽最新活動資訊
Visit Our latest
events





11.13 六 Sat.

|

11.14 日 Sun.

09:30-16:00

國立科學工藝博物館
北館 戶外平等大道

Outdoor Equality Avenue, North
Complex, National Science and
Technology Museum

中文 · 一般大眾 · 免費
Mandarin Public Free

科學市集 Science Bazaar

科普市集

Popular Science Fair

科普市集設攤展出各項科學及科技互動體驗活動。科普活動讓參與者透過動手操作，嘗試並探索科學和技術的基本原理，進而了解其在日常生活中的應用。

The Popular Science Fair includes interactive science and technology-related experiences. Through hands-on activities, participants explore the basic principles of science and technology which can be applied to daily life.

科學市集 Science Bazaar

海洋能源教材教具互動體驗

Interactive experience of marine energy teaching aids

以「海洋教育」為主軸，結合海洋委員會資源共同辦理，利用互動性教具，將海洋能源轉換成趣味的活動，以寓教於樂的方式，透過動手實驗、互動體驗方式，提升對於海洋能源開發與環境保護的認識。

The exhibition focus on "Marine education". NSTM and Ocean Affairs Council collaborate this project, using interactive teaching aids to transform marine energy into fun activities. Also, improve the development of marine energy and awareness of environmental protection through hands-on experiments.



科學競賽 Science Competition

2021臺灣能 - 潔能科技創意實作競賽

2021 Taiwan Energy - Clean Energy Innovation Contest

配合教育部能源科技教育推廣政策，科工館與潔能系統整合與應用人才培育計畫辦公室合作舉辦「2021臺灣能-潔能科技創意實作競賽」。參賽者需以實作作品參賽，藉團隊之創意引發國人共鳴，在生活中展開珍惜能源、愛護環境的行動。

Corresponding to the Ministry of Education (MOE)'s policy on the promotion of energy technology education, the National Science and Technology Museum and (MOE)'s office of talent cultivation for the integration and application of clean energy systems are co-organizing the Clean Energy Innovation Contest which participants create real-life works. Their creativity is expected to inspire action to protect resources and the environment.



其他 Other

科普旅遊 - 阿塋壹古道/鼻頭角草原

Popular Science-Based Tour

橫跨臺東與屏東的阿塋壹古道，是排灣族部落的聚集區之一，活動期間使用的獵人餐，即是原住民日常生活智慧的應用；鼻頭角草原是墾丁國家公園陸域保護區之一，可實地欣賞裙礁的自然生態與美麗的海岸。

Walking the Alangyi Historic Trail, which connects Pingtung and Taitung counties, provides an opportunity to explore the scientific living style of indigenous Paiwan tribes. During this trip, enjoy having a hand-made "hunters' meal" that is based on traditional indigenous knowledge with science. The Bitoujiao Grassland is one of conservation areas inside Kenting National Park. It is also a good place for admiring apron reef ecology and beautiful coastline.

10.31 日 Sun.

09:00-17:00



國立科學工藝博物館
北館 戶外平等大道、科技大道
與劇院廣場

Outdoor Equality Avenue,
Technology Avenue & Theater
Plaza, North Complex, National
Science and Technology
Museum

中文 · 競賽參賽者 · 免費
Mandarin Contest Participants Free

11.13 六 Sat.

|

11.14 日 Sun. 兩天一夜

08:00-21:00

臺東縣達仁鄉
屏東縣牡丹鄉/滿州鄉
Da Jen Township, Taitung County/
Mu Dan Township, Mang Chou
Township, PingTung County

中文 · 一般大眾 · 4800元/人
Mandarin · Public · 4800 NTD/person



活動報名
Event
Registration



10.03 日 Sun.
 10.17 日 Sun.
 10.24 日 Sun.
 10.31 日 Sun.
 11.14 日 Sun.
 11.21 日 Sun.
 10:00-12:00

論壇及研討會 Forum and Conference

第19屆週日閱讀科學大師講座活動 19th Reading the Science Masters Sunday Lecture Series

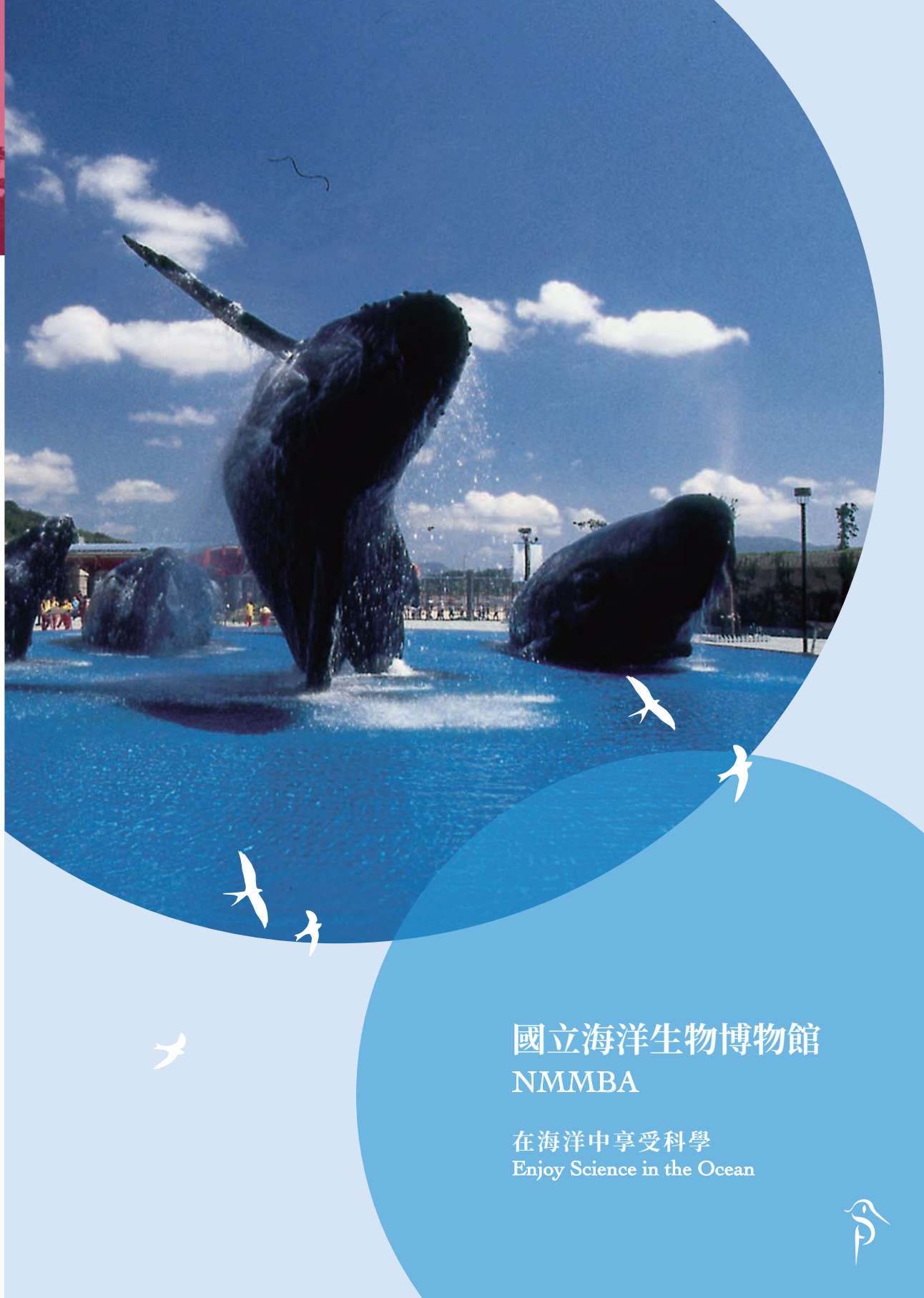
「週日閱讀科學大師」系列講座為邀請我國傑出的科研單位學者專家，將其研究成果透過科普化講座於科工館現場辦理，並透過轉播站、網路直播及網站資料庫等線上轉播，讓無法親自到場聆聽之民眾也能參與。

The Reading the Science Masters Sunday Lecture Series invites outstanding scientific researchers to share their work in a popular science format at the National Science and Technology Museum. These lectures are also shown live and archived online for those unable to attend in person.

國立科學工藝博物館
 南館1樓 S103 階梯教室
 1F S103 Lecture Room, South Complex, National Science and Technology Museum

中文 · 一般大眾 · 免費
 Mandarin Public Free

更多資訊請參閱
 For more information



國立海洋生物博物館
 NMMBA

在海洋中享受科學
 Enjoy Science in the Ocean



城市遇見海生館

Ocean in the City Exhibition

把海生館的各項科學研究成果移動到館外的城市，這是創館以來第一次向外移動展示，將長期累積的海洋科學研究成果，搭配館內近期重要展示內容進行濃縮，讓更多想關心與認識海洋的民眾可以更接近、更了解海洋。

目的是希望可以讓來過或沒來過海生館的人，都可以再一次回味或重新認識海生館。

This is the first time since the establishment of the National Museum of Marine Biology & Aquarium (NMMBA) that its scientific research has been exhibited in a city. This exhibition highlights marine scientific research and recently added exhibition content, so that more people can learn about the oceans.

This is an opportunity for people to become better acquainted with the work of NMMBA.

11.02 = Tue. — **11.14** 日 Sun.

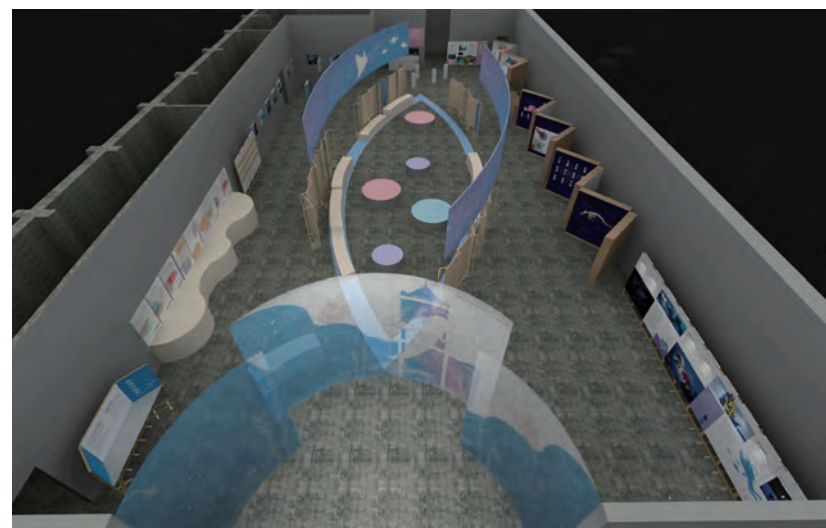
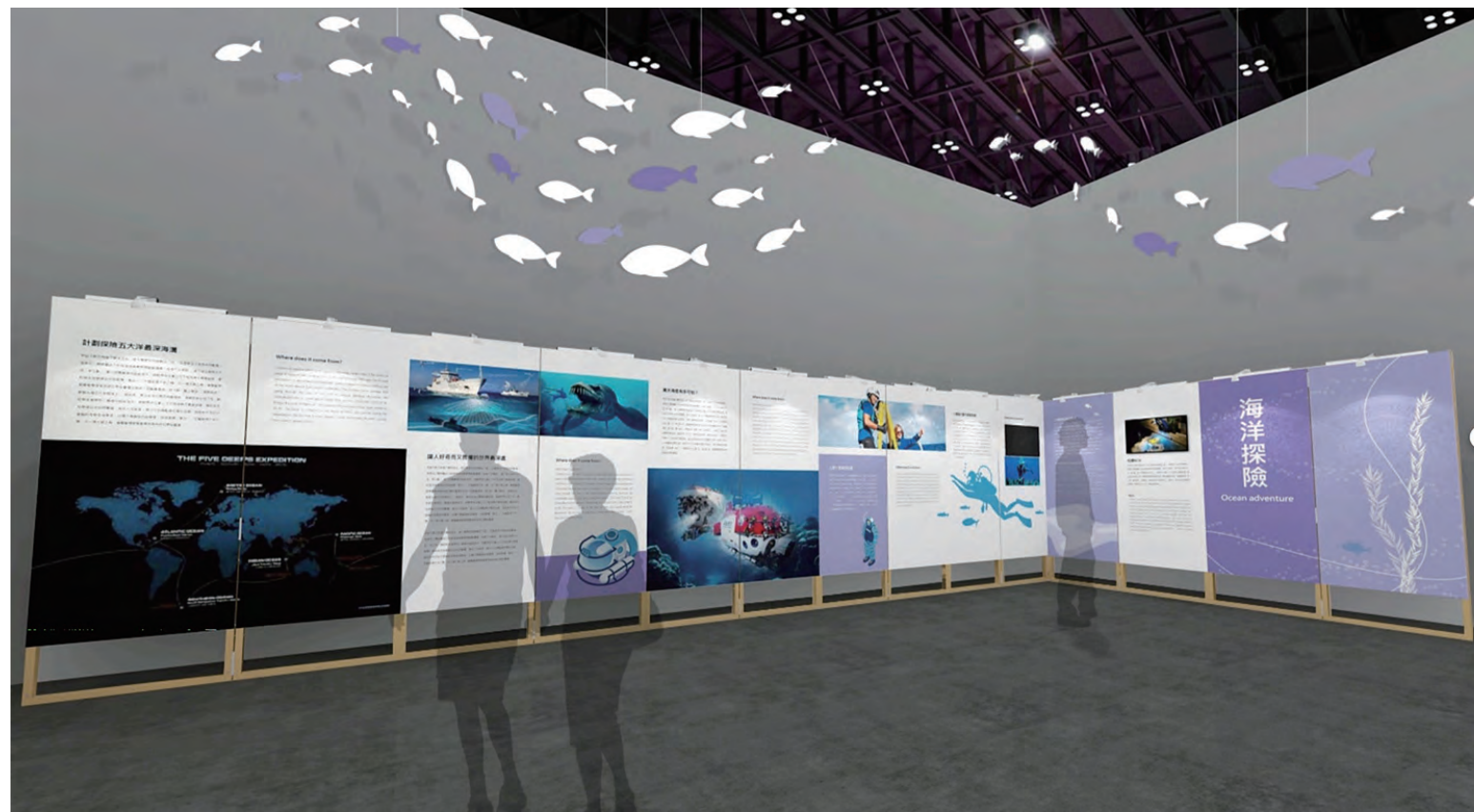
10:00-16:00

高雄駁二特區

The Pier-2 Art Center

中文 · 一般大眾 · 免費

Mandarin · Public · Free



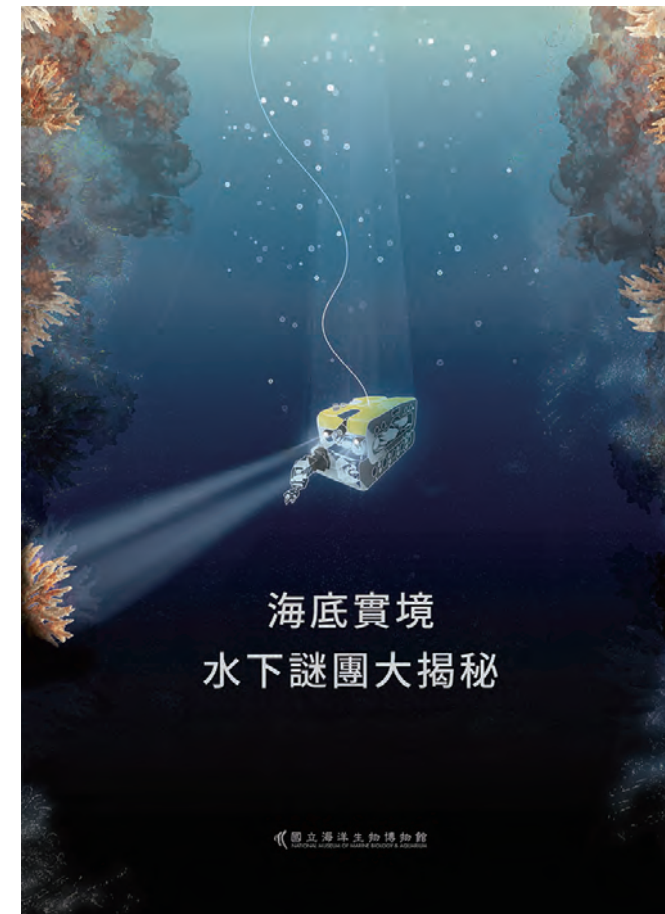
智慧博物館計畫成果 多功能展演中心

Achievements of the Intelligent Museum Project Multifunctional Exhibition Center



將智慧博物館計畫之成果包含：智慧化海洋生物知識學習網站、臺灣海域各生態水域之影音資料收集、水下遙控無人載具在中光層的研究、水下探勘拍攝等，轉譯為科普資訊，讓民眾瞭解水下研究成果及臺灣周遭的水下環境。

The achievements of the intelligent museum project include the Ocean Tag Website, audiovisual collection on the ecology of Taiwan's waters, research on mesophotic ecosystems using remotely operated vehicles, and underwater photography. These have been converted into a popular science format.



11.13 六 Sat. — **12.31** 五 Fri.

09:00-17:00

國立海洋生物博物館

National Museum of Marine Biology and Aquarium

中文 · 一般大眾 · 免費(須購買展示場門票)

Mandarin · Public · Free(Admission ticket is required)

工作坊 Workshop

沿河而上找母語 Discovering Mother Tongues along the Creeks



本活動將分為兩個階段，第一階段為至高屏地區的排灣及魯凱部落，採訪在地耆老或老師，蒐集更多原住民族語的淡水魚讀法和相關漁獵知識，並進行記錄與保存原住民族的族語。第二階段為將獲得素材編入海洋科普教材內，用於到校教學推廣課程中，讓更多學生能接觸到原住民的傳統漁獵智慧及語言。

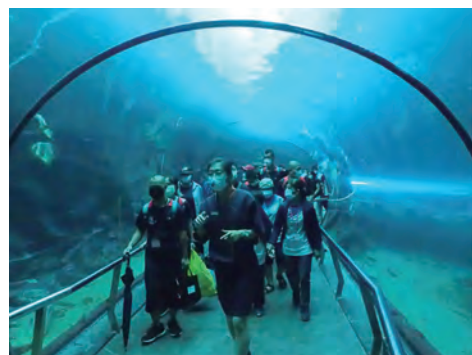
This activity is divided into two stages. In the first stage, interviews are conducted with teachers and seniors in indigenous Paiwan and Rukai communities in Kaohsiung and Pingtung counties to learn the names of freshwater fish species in indigenous languages and traditional fishing methods. In the second stage, popular science teaching materials are compiled to be used in schools to enable more students to access information about the languages and fishing methods of Taiwan's indigenous peoples.

09.01 三 Wed.
|
10.31 日 Sun.
10:00-16:00

屏東、高雄地區
Pingtung County and
Kaoshiung City

中文·學生
Mandarin Students

須事先預約
Must apply in advance



工作坊 Workshop

跟著海洋去旅行 Traveling with the Ocean

邀請社福單位輔導之弱勢族群與原住民親子家庭做深度學習，透過親身體驗海洋生物多樣性與生態保育知識，認識這些珍貴的生態環境，瞭解海洋生物遭受到的危機問題，並傳達海洋與人及環境間息息相關之關連性，進而懂得保護海洋生態，並且珍惜海洋資源對人類的重要性。

Individuals and families served by social welfare organizations are invited to participate in this in-depth learning experience to gain knowledge about marine biodiversity and ecological conservation, as well as the crises marine species are facing. Moreover, it is expected that this program will provide a better understanding of the connections among people and the environment to encourage protection of marine environments and emphasize the importance of cherishing marine resources.

08.01 日 Sun.
|
11.30 二 Tue.
09:00-17:00

國立海洋生物博物館
National Museum of Marine
Biology and Aquarium

中文·社福單位
Mandarin Social Welfare
Organizations

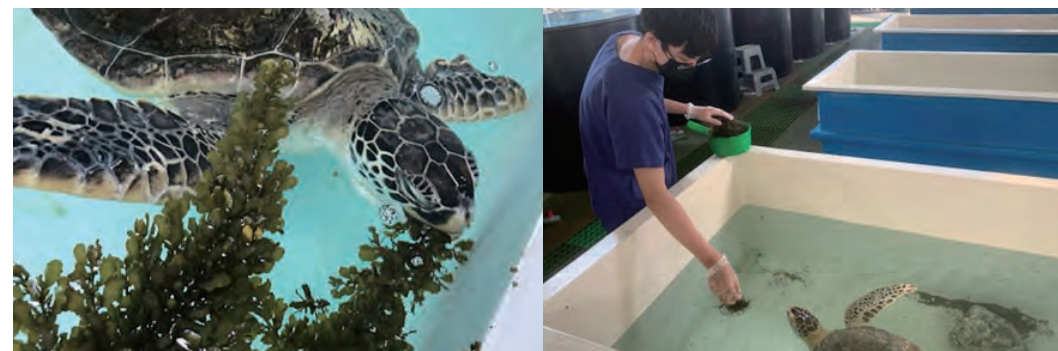
須事先申請，全額補助
Must apply in advance,
full subsidy

工作坊 Workshop

營在海洋－中文探究實作營隊 Ocean Exploration Camp (Chinese)

海生館首創全臺第一本博物館教育結合108課綱的新式學習單「探究任務手冊」，使學生在學習海洋知識的同時融入物理、化學、地科、國文等概念，此次將以探究任務手冊為主軸舉辦科學營隊，使學生不僅「玩」在海生館，更是「學」在海生館，用最自然、自在的方式學習知識。

The National Museum of Marine Biology & Aquarium created the first Inquiry within Ocean Guidebook which combines museum education practices with new activity sheets for the 2019-2020 curriculum. As students learn about the oceans, they are introduced to concepts related to physics, chemistry, earth sciences, and Chinese language. This science camp has been organized based on the contents of this guidebook to encourage learning through "playing".



工作坊 Workshop

營在海洋－全英文探究實作營隊 Ocean Exploration Camp (English)

海生館配合2030雙語國家及向山向海致敬政策，辦理高中生海洋英語探究營隊。希望透過一系列的無動力親海活動，並結合全國第一本以108課綱「探究」為主要精神之英語「與海共探手冊」，融合高中多種學科領域，與生活經驗及學習歷程認證機制結合，拉近同學們對於英語及海洋間的距離。

Based on the Bilingual Nation 2030 and respect for the mountains and sea policies, an English camp has been arranged for high school students. Participants will enjoy a series of ocean-related activities and courses based on Taiwan's first Inquiry within Ocean Guidebook, which was developed for the 2019-2020 curriculum. With a blend of science-related subjects, life experience, and learning benchmarks, high school students increase their proficiency in both English and their knowledge of the ocean.

10.01 五 Fri.
|
11.30 二 Tue.
09:00-17:00

國立海洋生物博物館
National Museum of Marine
Biology and Aquarium

中文·中學生
Mandarin High school students

須事先預約
Must apply in advance

08.18 三 Wed.
14:00-15:00

國立海洋生物博物館
National Museum of Marine
Biology and Aquarium

英文·中學生
English High school students

收費報名 Registry fee



科學市集 Science Bazaar

11.13 六 Sat.

|

11.14 日 Sun.

10:00-16:00

國立海洋生物博物館
National Museum of Marine
Biology and Aquarium

中文 · 一般大眾
Mandarin Public

免費 (須購買常設展門票入場)
Free (Admission ticket is required)

漁識場 - 科學市集 Fishing for Knowledge – Science Market

讓遊客除了在攤位中體驗科學實作，從「做中學」以認識海洋的奧秘，並將利用位於海中之ROV無人載具把最新的海底現況送回海生館，讓入館民眾可以在海生館內多媒體直播中心同步體驗，並在專業人員的解說中，一同觀察與探索臺灣周邊的海底情況。

Visitors can stop at the booths and participate in fun science experiments, while learning about the mysteries of the ocean. Live ocean images are presented by an ROV (remotely operated underwater vehicle) and detailed interpretation is provided to enable visitors to experience the underwater world around Taiwan.

科學競賽 Science Demonstration

05.17 一 Mon.
| 報名

07.31 六 Sat.

8月 評審評選

9月 得獎名單公布

筆下海洋活動網站
網站24小時開放報名
The Omics in the Ocean
Creative Writing & Painting
Contest Website

中文 · 免費
Mandarin Free

學齡前至高中學生
Preschool to high school students

筆下海洋 - 2021第二屆臺灣科學節《奧秘海洋》 徵文暨繪圖活動 "The Omics in the Ocean" Essay & Drawing Contest

鼓勵莘莘學子能透過「閱讀」來深度認識海洋及海洋生物的奧秘，經由文字與繪畫傳達國家未來主人翁對於海洋的懇切心聲，同時增進臺灣海島居民之海洋素養，累積永續經營海洋的智慧。

The purpose of this contest is to encourage students to learn about the oceans and marine biology through reading. They can express their ideas about ocean conservation through essays or drawings. In addition, it is hoped that marine literacy and awareness of sustainable management of marine resources can be raised.

論壇及研討會 Forum and Conference

2021全國科普論壇 2021 Popular Science Forum

因應科技時代發展迅速趨勢與教育部培養科學素養之目標，本次論壇以「盤整精簡 協力前行 科普創新」為會議主軸，進行研究與實務分享交流。內容涵蓋科普專題演講、圓桌會議、學術研究或實務推廣發表與科學攤位市集，並安排恆春半島之自費旅程與本館展示館與標本館之免費參觀活動。

In response to the rapid technological advances and the Ministry of Education's goals for increasing science literacy, this year's Popular Science Forum is focused on consolidation, streamlining, collaboration, and innovation to encourage sharing and exchanges of research and practices. This forum includes keynote speeches, roundtable discussions, presentations of academic studies and practices, and science-themed booths. Participants can also join eco-tours in Hengchun Peninsula (payment required) or visit specimen rooms (free of charge) in NMMBA.

09.24 五 Fri.

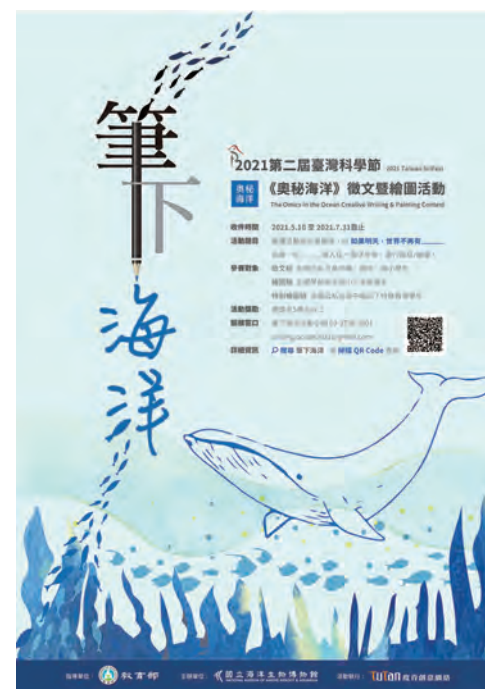
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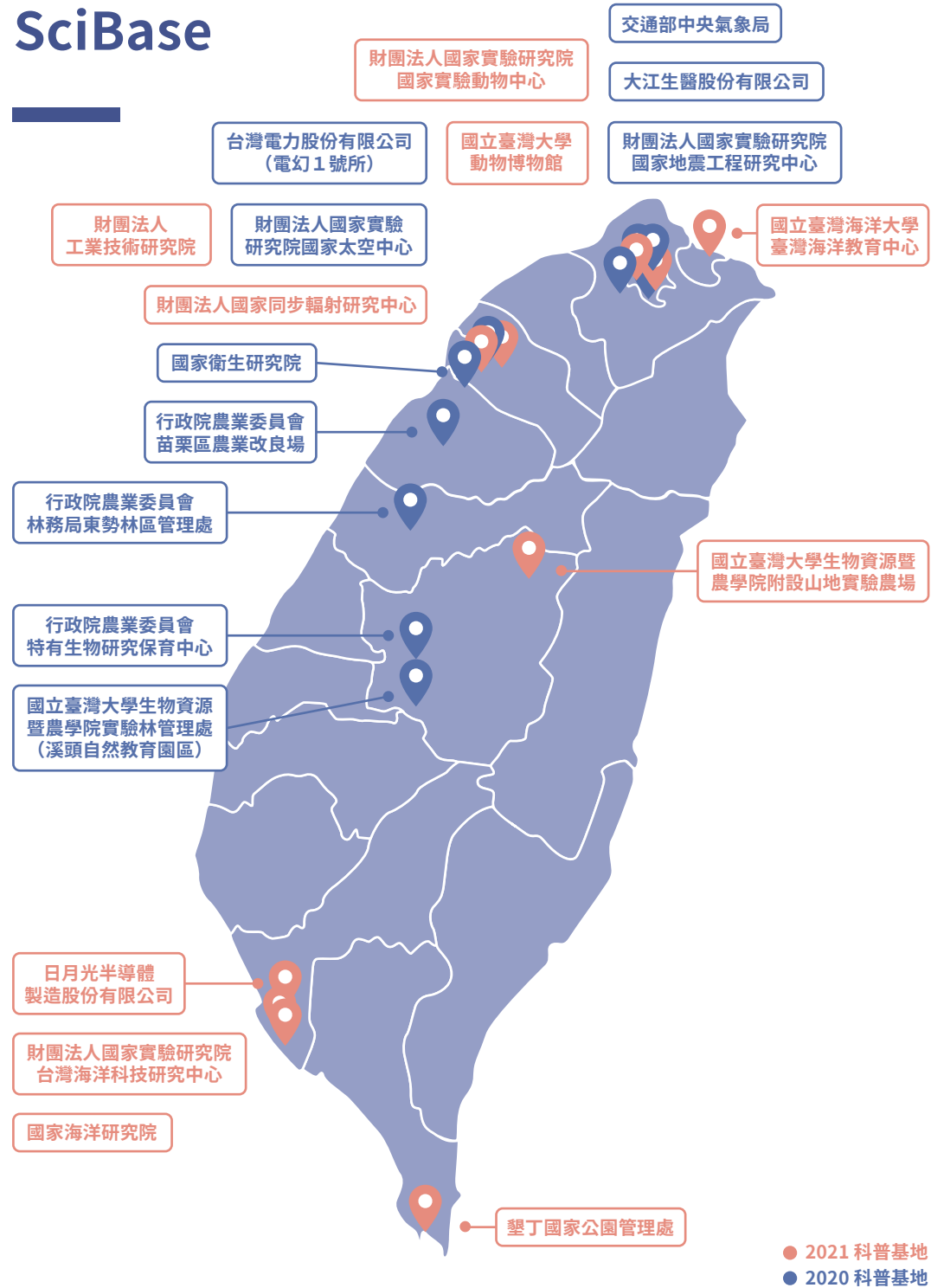
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國立海洋生物博物館
National Museum of Marine
Biology and Aquarium

中文 · 一般大眾 · 免費
Mandarin Public Free



科普基地 SciBase



【墾丁國家公園管理處】

Kenting National Park Headquarters

墾丁國家公園的發展目標是—在自然保育的前提下，發揮遊憩功能，提升服務品質；兼顧居民權益，凝聚社區意識，呈現國家公園與當地共生共榮的價值與意涵；推廣環境教育，拓展解說層面；持續海域生態監測、推動海洋遊憩活動多元化；與世界接軌，建立墾丁優質的國際形象。

The developmental goals of Kenting National Park are, under the premise of conservation, to expand its recreational function and increase service quality. In addition, by protecting residents' rights and building community awareness, local areas grow in value and meaning with the park. We hope to build a superior international image by promoting environmental education and interpretation, continuing to carry out ocean monitoring, and diversifying marine activities to come in line with global trends.



【國家海洋研究院】

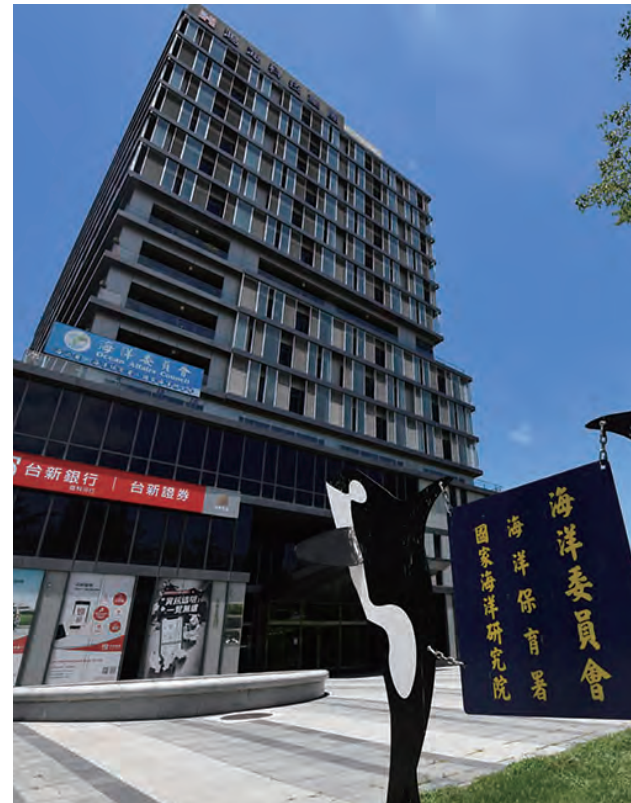
National Academy of Marine Research

國家海洋研究院的主要任務為協助海洋委員會辦理海洋政策規劃、海洋資源調查、海洋科學研究、海洋產業及人力培育發展業務，定位為國家海洋智庫。研究重點有：

1. 整合國家海洋研究量能，提升海洋科研與法政文化之研究能力。
2. 進行長期性、應用性與基礎性之調查研究。
3. 建立國家海洋資訊系統，強化海洋學術與產業之應用研究。

The main mission of the National Academy of Marine Research (NAMR) is to assist the Ocean Affairs Council with planning marine policy, surveying marine resources, researching marine science, developing marine industries, and cultivating talent. NAMR has positioned itself as a national marine think tank. Its research focuses are to:

1. Integrate national marine research capabilities and enhance research in marine science, law, and culture.
2. Conduct long-term, applied, and basic marine research.
3. Establish a national ocean data bank and enhance the applications of marine science and industry.



【財團法人工業技術研究院】 Industrial Technology Research Institute

工業技術研究院是國際級的應用研究機構，擁有六千位研發尖兵，以科技研發，帶動產業發展，創造經濟價值，增進社會福祉為任務。自1973年成立以來，率先投入積體電路的研發，並孕育新興科技產業；累積近三萬件專利，並新創及育成包括台積電、聯電、台灣光罩、晶元光電、盟立自動化、台生材等上市櫃公司，帶動一波波產業發展。

The Industrial Technology Research Institute (ITRI) is an international-class applied research institute. Its mission is to carry out technological R&D to drive industrial development, create economic value, and enhance social welfare. Founded in 1973, ITRI was the leader in integrated circuit R&D and nurtured emerging technology-based industries, accumulating nearly 30,000 patents. In addition, ITRI has been dedicated to helping startups and to incubation, having worked with well-known companies, such as TSMC, UMC, TMC, Epistar, MIRLE, and Taiwan Biomaterial, driving wave after wave of industrial development.



【財團法人國家實驗研究院國家實驗動物中心】 National Laboratory Animal Center, NARLabs

國家實驗動物中心成立於1994年，提供實驗動物資源及相關技術服務，主要使命為支援基礎生醫研究、新藥開發與醫療器材發展，同時，也積極投入科學人才培育與科普教育，推廣實驗動物科學與動物福祉。歷年來透過辦理各項科普教育活動，建立科學和大眾的連結，包含到校教學、偏鄉科普、科學市集攤位，以及大型科普展覽與動手做體驗活動，將與生命為伍的實驗動物科學知識，融入福祉與生命教育，傳遞給社會大眾、孕育科學幼苗。



The National Laboratory Animal Center (NLAC) was established in 1994 to provide diversified laboratory animal resources and related testing services. NLAC aims to support basic biomedical research and pre-clinical evaluation of new drugs, medical devices, and biotechnology products. At the same time, the NLAC has also actively engaged in nurturing scientific talents, popular science education, and promotion of laboratory animal science and animal welfare. The Center has integrated scientific knowledge of laboratory animals with animal welfare and life education and passed it on to the public. Over the years, the connection between science and the public has been established through various popular science activities, including school lectures, science agora, as well as large-scale popular science exhibitions and hands-on activities in both urban and remote areas.

【財團法人國家實驗研究院台灣海洋科技研究中心】 Taiwan Ocean Research Institute (TORI)



台灣海洋科技研究中心成立於2008年，致力成為國家海洋科技學術研究之後盾；發展重點為建置海洋科技研究之核心設施及技術團隊，支援學術活動與執行政府部門交付的任務，成為培育臺灣海洋科技人才的重要平臺；應用海洋資料庫與加值，提供創新服務，以促進產、官、學的合作架構並推動在地價值與全球頂尖前瞻研究議題，及研究船隊之管理與維運，以提升我國海洋研究與探測能量。

The Taiwan Ocean Research Institute (TORI), under the National Applied Research Laboratories, was established in 2008. Development directions include building core facilities and teams for marine science and technology research, supporting academic activities, and implementing projects commissioned by

public agencies to become an important platform for cultivating Taiwan's marine science and technology talent. Moreover, by applying marine resources databases and added value, innovative services are provided to advance industry-government-academia cooperative frameworks and promote local value and forward-looking research on the world's most pressing issues. Moreover, through the management and maintenance of research vessels, Taiwan's marine research and exploration capabilities are elevated.

【財團法人國家同步輻射研究中心】 National Synchrotron Radiation Research Center (NSRRC)

國家同步輻射研究中心主要運轉兩座加速器光源「臺灣光源」與「臺灣光子源」，為臺灣規模最大的共用實驗設施，擁有世界首屈一指的同步光源。世界各國的研究人員可運用本中心的實驗設施從事科學研究，每年有超過2,000名國內外用戶前來進行基礎科學研究與尖端科技創新，使臺灣的科學研究與國際頂尖實驗設施並駕齊驅。

The National Synchrotron Radiation Research Center (NSRRC), which operates two accelerators, Taiwan Light Source and Taiwan Photon Source, is Taiwan's largest joint experimental facility. It possesses the world's premier synchrotron light source. Every year, over 2,000 scientists from around the world access NSRRC's facilities to carry out research and high-tech innovation. NSRRC possesses one of the most advanced synchrotron facilities and its pioneering capabilities keep Taiwan at the forefront of scientific research.



【國立臺灣大學動物博物館】 National Taiwan University Museum of Zoology

國立臺灣大學動物博物館自1928年即創立，典藏許多珍貴的動物標本，2007年對外開放後，亦積極規劃與辦理各種科普活動，致力於推動科普教育，臺大未來更將結合戶外歷史建築、植物及日據時代溫室園區，及各系所珍貴的藏品，規劃「臺灣大學總博物館」，期能透過博物館內外之展示，賦予標本與老建築新活力，作為科學研究與民眾生活的橋樑。

Since 1928, the National Taiwan University Museum of Zoology (NTUMZ) has acquired many precious animal specimens. After opening to the general public in 2007, NTUMZ actively planned and hosted various events dedicated to science education and the popularization of science.

National Taiwan University further plans to integrate the historical buildings, gardens, and greenhouses built during the Japanese colonial era, and collections currently held in different departments to serve as the blueprints for the future "NTU Museum." Through the exhibitions of indoor and outdoor collections, we would like to revitalize the specimens and historic buildings and bridge the academic research to the visitors' everyday lives.

【國立臺灣大學生物資源暨農學院附設山地實驗農場】 Highland Experimental Farm of National Taiwan University

臺大山地農場設立於1937年，位於南投縣仁愛鄉，總面積約1,092公頃，海拔分跨900至2,700公尺。場區內氣候變化差異大，四季鮮明遞嬗，生態資源豐富，為一獨特的教學研究場域。本場持續進行場區自然資源調查、造林復育及原植物蒐集與保存。自1998年起舉辦生態體驗營，推廣環境教育。期許成為臺灣環境教育推廣基地，以達資源永續發展。



【國立臺灣海洋大學臺灣海洋教育中心】 Taiwan Marine Education Center



臺灣海洋教育中心係由教育部協助於2013年9月1日設置，為配合國家海洋教育政策之發展，建置永續推動海洋教育之整合性機構，設立宗旨為：「秉持國家海洋教育政策，整合國內外海洋教育資源、調查海洋專業人才供需情形、建置海洋教育推動平臺、提升全民海洋意識，並協助政府推動海洋教育，及結合社會各界永續發展海洋教育。」

On September 1, 2013, the Taiwan Marine Education Center was established with assistance from the Ministry of Education. This is a sustainable integrative institution for promoting marine education that adheres to national marine education policies. Its purposes are to integrate marine education resources at home and abroad, investigate the supply and demand of marine education professionals, establish a marine education platform, enhance public awareness of issues related to the oceans, assist the government in promoting marine education, and work with society and various industries to achieve sustainable development of marine education.

【日月光半導體製造股份有限公司】 ASE Group (Advanced Semiconductor Engineering Inc)

「水」是地球上重要的資源，然而受全球極端氣候影響，暴雨及旱災等現象加劇，影響生活環境及經濟發展甚鉅，因此，身為封裝測試龍頭科技大廠之日月光集團呼應聯合國可持續發展目標(SDGs)，以「資源循環」、「節能減碳」、「珍惜生態」的理念，建置此能資源認知與科技體驗的綠科技教育館，藉由環教推動，落實永續行動。

Water is an important resource. However, due to the effects of extreme weather, heavy rains and droughts have intensified, greatly affecting living environments and economic development. As a leader in semiconductor assembly and testing, the ASE Group has echoed the United Nations Sustainable Development Goals (SDGs) to create a green technology hall based on the concepts of "resource cycling", "energy conservation and carbon reduction", and "cherishing nature". Its purposes are to promote resource-related knowledge and technology-based experiences. Moreover, through environmental education, sustainable actions can be taken.



The Highland Experimental Farm of National Taiwan University, founded in 1937 in Renai Township of Nantou County, covers an area of 1,092 hectares, with elevations ranging from 900 to 2,700 meters. Due to the large variations in climate, there are obvious seasonal changes, and abundant ecological resources, making it an ideal place for teaching and research. Natural resource surveys, reforestation, and native plant collection and conservation are carried out here. Ecology-themed camps began to be offered in 1998 to promote environmental education. This farm is expected to be a base for environmental education in Taiwan and to achieve the objective of sustainable development of resources.

我們衷心感謝各夥伴及單位的參與，使 2021 第二屆臺灣科學節順利舉行。

We would like to thank all partners and units for making 2021 2nd Taiwan Science Festival possible.

第一屆科普基地 1st Scibases

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Central Weather Bureau

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National Health Research Institutes

財團法人國家實驗研究院國家太空中心
National Space Organization, NARLabs

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National Center for Research on Earthquake Engineering, NARLabs

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國立臺灣大學生物資源暨農學院實驗林管理處
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台灣電力股份有限公司
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第二屆科普基地 2nd Scibases

墾丁國家公園管理處
Kenting National Park Headquarters

國家海洋研究院
National Academy of Marine Research

財團法人工業技術研究院
Industrial Technology Research Institute

財團法人國家實驗研究院國家實驗動物中心
National Laboratory Animal Center, NARLabs

財團法人國家實驗研究院台灣海洋科技研究中心
Taiwan Ocean Research Institute (TORI)

財團法人國家同步輻射研究中心
National Synchrotron Radiation Research Center (NSRRC)

國立臺灣大學動物博物館
National Taiwan University Museum of Zoology

國立臺灣大學生物資源暨農學院附設山地實驗農場
Highland Experimental Farm of National Taiwan University

國立臺灣海洋大學臺灣海洋教育中心
Taiwan Marine Education Center

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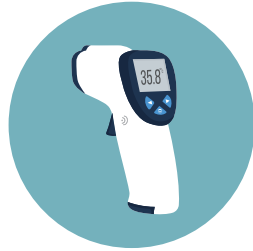
臺灣科學節 防疫相關注意事項

為落實防疫規範及維護參與民眾健康，提醒參加臺灣科學節活動的朋友們，務必配合以下幾點：

To implement the epidemic prevention regulations and maintain the health of the participating people. Remind who are participating in the Taiwan Science Festival, be sure to cooperate with the following points.



全程佩戴口罩
Wear Mask



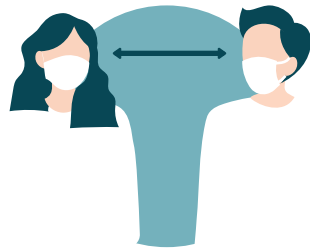
量測體溫
Body Temperature Measurement



實聯制
Conduct Name Registration



使用酒精
消毒洗手
Use Alcohol
Disinfect Your Hands



保持社交
安全距離
Keep Social
Distancing

相關防疫措施將依主管機關指示，進行滾動式調整。
Relevant epidemic prevention measures will be adjusted on a rolling basis in accordance with the instructions of the competent authority.



iMuseum臺灣 x 臺灣科學節

跨館所整合平台

iMuseum臺灣APP整合全台多間博物館活動資訊，讓你一手掌握各館最新消息，在臺灣科學節期間，iMuseum更是你探尋大小展覽及活動的精靈！只要動動手指，就能找到最適合你喜好的活動。給全民參加的科學饗宴，盛大展開啦！一起來參加和體驗科學的美妙樂趣吧！

定位導航

AR導覽

踏點闖關



Science for Society.

2021 第二屆 臺灣科學節 Taiwan Science Festival

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