



The 10th Belt and Road Teenager Maker Camp & Teacher Workshop is coming!

The Belt and Road Teenager Maker Camp & Teacher Workshop (referred to as the Maker Camp for short) has been held annually since 2017. Co-hosted by the China Association for Science and Technology (CAST), the Ministry of Science and Technology of the People's Republic of China (MOST) and the people's government of the host province, it is supported by the Inter Academy Partnership (IAP) Science Education Programme, the Economic Cooperation Organization Science Foundation (ECOSF), the Network of African Science Academies (NASAC) and the Arab League Educational, Cultural and Scientific Organization (ALECSO). This science education exchange event is targeted at high school students as well as science and technology teachers from countries and regions participating in the Belt and Road Initiative and other relevant nations.

With science education as the link and people-to-people exchanges at its core, the event serves a dual purpose. For teenagers, it builds an international platform for global peers to cooperate, communicate and share creative ideas. During the one-week event, participants gain access to the laboratories of top universities and institutions in China, where they study cutting-edge scientific knowledge through hands-on practice and



teamwork under the guidance of senior educators. For teachers and scientists from all countries, concurrent teacher workshops are held to build a communication bridge, enabling them to share cross-border educational practice experience and learn STEM education-related teaching skills. In addition, the event features a variety of diversified activities including Chinese cultural experience sessions and visits to science popularization venues.

To date, the Maker Camp has attracted more than 1,600 teachers and students from 61 countries and regions to participate in offline activities in China. In 2023, as the **only project named after teenagers**, it was included in the list of practical cooperation projects of the 3rd Belt and Road Forum for International Cooperation. In July 2025, it was further incorporated into the action plan list of the Ministerial Meeting on Global Civilization Dialogue.

The 10th Maker Camp will be held in **Guangxi, Xinjiang, Shaanxi, Ningxia** and **Yunnan**, China in 2026, and we sincerely invite you to team(s) to participate.



Refer to the table below for basic information; introductions to all camps are attached at the end of this document.

Location	Camp	Contact	E-mail
Guangxi	Main-Camp	Zhu Xuan	Shane_Ch@163.com
Xinjiang	China-Center Asia sub-camp	Zhu Yaqi	xjkxqsn@126.com
Shaanxi	China-Center Asia sub-camp	Wang Yang	290790915@qq.com
Ningxia	China-Arab sub-camp	Gao Xiaomin	KJGZLJYB112@163.com
Yunnan	Lancang-Mekong	Zhou Xiaoting	workshop2024@163.com



- Attendants:

Each team typically consists of 2 adults and 5 students. The adult members are preferably science educators proficient in English for professional work, and the student members are high school students with fluent English proficiency.

- Participation Fees:

The host will offer free of charge of registration fee, accommodation, meals and local transportation of each team during the camp. The travel costs to and from China will be the responsibility of each participating team in principle.

*For extra guests, registration fee will be charged and the specific rates will depend on the hosting costs.

Official Website:

<https://brvsc-gj.cast.org.cn/front/home>



Content

Highlights of The 10 th Belt and Road Teenager Maker Camp and Teacher Workshop & Guangxi Tour of the Belt and Road Partnership Plan for Teenager Science and Technology Innovation	6
The 10th Belt and Road Teenager Maker Camp & Teacher Workshop (China-Central Asia Maker Camp) in Shaanxi Introduction.....	12
The 10th Belt and Road Teenager Maker Camp & Teacher Workshop (China-Arab Teenager Maker Camp) in Ningxia	17
Innovation Letter to the 10 th Belt and Road Teenager Maker Camp and Teacher Workshop (Lancang-Mekong Teenager Maker Camp) in Yunnan	21
The 10th Belt and Road Teenager Maker Camp & Teacher Workshop (China-Central Asia Maker Camp) in Xinjiang (To be supplemented)	32



Highlights of The 10th Belt and Road Teenager Maker Camp and Teacher Workshop & Guangxi Tour of the Belt and Road Partnership Plan for Teenager Science and Technology Innovation

The 10th Belt and Road Teenager Maker Camp and Teacher Workshop & Guangxi Tour of the Belt and Road Partnership Plan for Teenager Science and Technology Innovation is scheduled to take place from September 18 to 23, 2026, in Nanning, Guangxi. This event will deeply integrate artificial intelligence (AI) technologies and, in combination with the digitalized education features of Guangxi's universities and the region's multi-ethnic cultural characteristics, feature a series of special activities including the opening ceremony, a 10th-anniversary achievements exhibition, dialogues with scientists, sci-tech and cultural visits, youth maker project-based learning, campus life experience, and teacher workshops.

I. Hosting the Opening Ceremony by Leveraging the CAEXPO Platform

The China-ASEAN Expo (CAEXPO) is held annually in September in Nanning, Guangxi, serving as a national-level platform supporting China's diplomatic strategy and regional cooperation. Coinciding with the CAEXPO, this Maker Camp will host its 10th-anniversary opening ceremony together with teachers and students from the Belt and Road partner countries. Activities will include keynote reports by scientists and



a visit to the special exhibition celebrating the Maker Camp's decade of achievements.



II. Offering Project-Based Learning Courses under Two Themes

Leveraging the strengths of Xiangsihu College of Guangxi Minzu University, the program centers on project-based learning to create distinctive science and technology innovation courses, ensuring precise alignment between curriculum and practical resources. Participants can freely choose one of the following thematic courses (Each team is consisted of participants from a same country and should select one of the two themes):



(1) AI Maker Sub-Camp: This course is jointly instructed by the college's "dual-qualified" teachers and technical experts from Geely Group. Utilizing the college's Supercomputing Center and advanced training platforms for ROS robot development environment and robotic arms, along with Geely's core resources such as Xingrui AI large model and smart interactive devices, the sub-camp will conduct hands-on AI projects, allowing participants to immerse themselves in cutting-edge industrial AI technology applications.

(2) Nature Maker Sub-Camp: It enables participants to appreciate the value of nature and practice the ideas of ecological conservation through hands-on activities. Guided by professional instructors and using facilities like AR glasses, VR devices, 3D printers, and holographic projection matrices, participants will engage in practical activities such as digital modeling of karst geological ecology and ecological cultural & creative design, achieving a complete project-based learning loop of "awareness - protection - transformation."



III. Sci-Tech Visits: A Multi-Dimensional Experience of Innovation and Ecology

Teachers and students will visit high-tech exhibitions, university research platforms, and high-tech enterprises to experience cutting-edge technology. Simultaneously, trips to places like the Qingxiushan Natural Education Base will facilitate immersive ecological studies, achieving a dual integration of frontier technology exploration and natural ecosystem understanding.



IV. Cultural Exchange: Building Bridges for International Communication through Diverse Activities

Using culture as a bond to build bridges for international communication, the program includes featured activities like intangible cultural heritage experiences and campus cultural interactions. These allow Chinese and international teachers and students to appreciate the charm of excellent traditional Chinese culture and Guangxi's local characteristics, enhancing mutual cultural understanding and emotional connection, and promoting cross-cultural exchange.



V. A Warm Conclusion: Gathering to Celebrate Friendship

A farewell event will be held to showcase the project-based learning outcomes of this Maker Camp. Through multicultural presentations and interactions, the exchange journey will conclude on a warm note, allowing Chinese and international participants to enhance understanding and deepen friendship in a joyful atmosphere, leaving behind beautiful and precious memories for youths from the Belt and Road partner countries.



The 10th Belt and Road Teenager Maker Camp & Teacher Workshop (China-Central Asia Maker Camp) in Shaanxi

Introduction

To deepen exchanges and mutual learning among teenager from China and Central Asian countries in the fields of science, technology, and culture, and to build a bridge of friendship for the Belt and Road Initiative, the 2026 China-Central Asia Teenager Maker Camp will be grandly held in the millennia-old ancient capital, Xi'an, Shaanxi. This event aims to ignite the scientific passion of young people, enhance their understanding of Chinese civilization and modern Chinese development, and foster future-oriented youth partnerships through a series of immersive activities integrating technological innovation, academic exploration, cultural experiences, and interactive gatherings.



I. Date

October 2026 (Specific dates to be confirmed)



Children & Youth Science Center of CAST, 3 Fuxing Rd. Beijing, 100863, China

II. Location

Xi'an, Shaanxi, China

III. Main Content

Centered around the three main themes of “Technology, Culture, and Friendship,” the event features four core components:

(1) Theme: *Experience the Power of Chinese Technology*

Lead young participants to the front lines of technological innovation. Explore the mysteries of intelligent manufacturing as active participants, build engineering concepts through hands-on practice in science centers, and experience the fusion of ancient civilization and cutting-edge technology through digital tools. This allows for an intuitive appreciation of the change and vitality brought by technological innovation.



(2) Theme: *A Journey into Top University Classrooms*

Delve into renowned Chinese universities. Understand the development of information technology by visiting campus history exhibitions, participate in basic scientific research practices like gene observation in life science laboratories, and engage in face-to-face conversations with front-line



Children & Youth Science Center of CAST, 3 Fuxing Rd. Beijing, 100863, China

researchers. This provides a firsthand experience of the academic atmosphere and research environment in higher education institutions.



(3) Theme: *Experience Chinese Civilization*

Embark on an in-depth experience centered on China's five-thousand-year civilization. Listen to historical interpretations, visit cultural heritage sites, and observe the historical information of artifacts from a technological perspective. Climb historical monuments to reflect on urban transformation, and participate in interactive activities like calligraphy and cuisine to transform traditional culture into a tangible, shared memory.





(4) Theme: *China-Central Asia Youth Exchange and Social*

Create a friendly and relaxed platform for communication. Young people from different countries will deepen their understanding through talent shows and fun interactive games. They will build connections by exchanging handmade gifts and foster cross-national friendships through collaboration and sharing, creating beautiful youthful memories together.



IV. Core Highlights



Children & Youth Science Center of CAST, 3 Fuxing Rd. Beijing, 100863, China

1. In-depth Tech Experiences: Get up close with China's innovative strength in intelligent manufacturing, green transportation, modern agriculture, and digital technology. Engage in hands-on practices like programming and gene experiments to ignite a passion for exploration.

2. Immersion in Top Universities: Visit museums and key laboratories at prestigious Chinese universities to experience the rich academic atmosphere and cutting-edge research achievements, inspiring scientific dreams.

3. Immersive Cultural Journey: From the Terracotta Warriors to the ancient city wall, from archaeological sites to intangible cultural heritage workshops, experience the breadth, depth, and integration of ancient and modern Chinese civilization comprehensively and multi-dimensionally.

4. Cross-National Youth Dialogue: Live, learn, and socialize alongside outstanding young makers from China and Central Asian countries. Forge genuine friendships and broaden international perspectives through exchange and collaboration.

5. Authoritative Platform & Resources: Leveraging the rich resources of Shaanxi as a major province for science, education, and historical culture, the event is organized and planned by a professional team to ensure high quality and safety.

V. Participants

Youth (aged 15-18) who are passionate about Chinese technology and culture, and eager to communicate and explore.

Let's meet in Xi'an in the golden autumn of 2026, at the intersection of history and the future. With technology as our sail and friendship as our oars, let's embark on an unforgettable maker journey together!



The 10th Belt and Road Teenager Maker Camp & Teacher Workshop (China-Arab Teenager Maker Camp) in Ningxia

Introduction

The 10th Belt and Road Teenager Maker Camp & Teacher Workshop (China-Arab Youth Maker Camp) is scheduled to take place from June to September under the theme "Build the Green Frontier, Harvest the Fruits of Innovation." The offline activities will follow an overall framework of "3+3+6+1", namely three meetings, three explorations, six experiences, and one seminar.

The offline activities adopt an overall framework of “3+3+6+1”, namely Three Meetings, Three Explorations, Six Experiences and One Seminar. “Three Meetings” refer to the Press Briefing, Opening Report Session and Closing Exchange and Sharing Session. “Three Explorations” include the scientific exploration at Ningxia Science and Technology Museum, the scientific exploration on desert prevention and control at Shapotou Desert Research and Experiment Station of Chinese Academy of Sciences, and the scientific exploration on solar power generation at the Green Power Town in Minning Town. “Six Experiences” include Modern Transportation Experience, “Majestic Helan Mountain” Cultural Experience, “Charming Manpu” Cultural Experience, Visit to “Purple Business Card” Zhihui



Yuanshi National Cultural Industry Demonstration Base, Visit to Intelligent Production Line of Saishang Dairy, and “Smart Agriculture” Ecological Experience. “One Seminar” refers to one exchange and discussion session for science and technology teachers.

Highlights of Activities

Science Exploration at Ningxia Science and Technology Museum

Visits to permanent exhibition halls, screenings of special-effects dome films, and participation in technological innovation exchange workshops, science popularization activities, and astronomy-themed events.



Themed Sci-Tech Exploration on Desertification Control: "Straw Checkerboard Barriers"

Participants will experience the world-famous Five-Zone Integrated Desert Control System centered on straw checkerboard barriers. They will learn about this globally recognized achievement and gain insights that can be applied to ecological governance in their home countries, contributing to green and innovative development. Activities include visiting the



exhibition on desertification control achievements, learning about the arduous process and remarkable results of desert management; practicing straw checkerboard weaving to master core desert control techniques; and conducting field investigations to study the distribution and monitoring of soil and vegetation in desert ecosystems.



"Charming Manpu Town" Cultural Experience

A visit to Manpu Town at the foot of Helan Mountain in Yinchuan, including Tianlai Art Village, Helan Mountain Tianlai Village, Elephant Art Commune, and cultural and art blocks. Through immersive performances showcasing Helan culture and vibrant street scenes telling Ningxia's stories, participants will enjoy an all-round experience of the unique charm of Ningxia.



"Smart Agriculture" Ecological Experience

A tour of Ningxia Rice-Fish Space Ecological Leisure Sightseeing Park, where visitors can observe the ecological cycle: rice protects crabs, crabs eat grass, ducks eat snails, fish feed on small crabs, and fish and crab manure fertilizes the fields—forming a picturesque scene reminiscent of the Along the River During the Qingming Festival for modern agriculture. Participants will appreciate the value of diligence through farming scenes, view modern agricultural machinery for plowing, planting, and harvesting, and enjoy the original ecological pastoral landscape of modern agriculture.





Innovation Letter to the 10th Belt and Road Teenager Maker Camp and Teacher Workshop (Lancang-Mekong Teenager Maker Camp) in Yunnan

The 10th Belt and Road Teenager Maker Camp and Teacher Workshop (Lancang–Mekong Teenager Maker Camp) is scheduled to be held in Kunming, Yunnan Province, China, in July or August 2026. This Camp will serve as an international exchange platform that brings together diverse cultures from different countries, fosters friendship among participants, and promotes openness, cooperation, and shared development. The Maker Camp will feature a variety of activities, including science popularization study tours, a teenager maker camp, and technology exploration activities. Participants will also have opportunities to experience diverse ethnic cultures, learn about the inheritance of intangible cultural heritage skills, and engage in international cultural and people-to-people exchanges.

We are honored to invite your institution to send a delegation to participate in the 10th Belt and Road Teenager Maker Camp and Teacher Workshop (Lancang–Mekong Teenager Maker Camp). Each team may



consist of up to two teachers and five students. The organizers will cover the accommodation and dining expenses of the participating teams during the event, while the travel expenses for the round trip to Kunming will be borne by the participating teams themselves.

Please feel free to contact with workshop2024@163.com if you want to learn more details about the Camp.

We look forward to meeting you in Kunming in 2026!



Activities of the 10th Belt and Road Teenager Maker Camp and Teacher Workshop (Lancang–Mekong Teenager Maker Camp)

[Colorful Yunnan, garden of the world.](#)

Yunnan is located in southwestern China, bordering Myanmar to the west and Laos and Vietnam to the south and southeast, with a total border length of 4,060 kilometers. The province has a population of 46.9 million and is home to 25 indigenous ethnic minorities, making it the province with the greatest ethnic diversity in China. Yunnan also boasts the highest biodiversity in the country, with over 35,000 species of plants and animals thriving in its ecosystems. It is celebrated as the only “biodiversity oasis” along the Tropic of Cancer and is often referred to as the “Garden of the World.” Yunnan is home to several UNESCO World Heritage Sites, including Lijiang Old Town, the Honghe Hani Rice Terraces, and the Jingmai Ancient Tea Forests in Pu’er (cultural heritage), as well as the Three Parallel Rivers of Yunnan Protected Areas, the Chengjiang Fossil Site, and the Stone Forest (natural heritage).





Ten Thousand Acres of
Rapeseed Flowers



UNESCO World Heritage
Yuanyang Hani Rice Terraces



Northward Migration of Asian Elephants





Jingmai Mountain Ancient Tea Gardens

Journey to science and research

Under the theme of “The History of Paleontological Evolution”, teachers and students from various countries are invited to visit the Chengjiang Fossil Site Natural Museum to engage in study tours, learn about the “Cambrian Explosion”, and explore the footprints of life and biological evolution. Participants will also visit the COP15 Outdoor Theme Exhibition at Fuli Palace, the Kunming International Flower Trade Center, and the Kunming Urban Landscape Curation Experience Center to gain knowledge of plant science, enjoy the fun of horticulture, appreciate the beauty of nature, and understand the rise and fall of species on Earth, sharing in the wonders of life on our planet that span hundreds of millions of years.





Lufeng World Dinosaur Valley, Chuxiong



Experience Fossil Restoration



Fuli Palace



Children & Youth Science Center of CAST, 3 Fuxing Rd. Beijing, 100863, China



Chengjiang Fossil Site Museum of Natural History

Camp for Teenager Maker

Renowned experts and scholars in the electronic technology field are invited to serve as mentors for the Camp. Centered on the theme “Integrating Technology and Creativity to Illuminate Individuality”, participants will engage in maker activities such as creating glowing T-shirts and assembling electronic gyroscopes through soldering. The Camp aims to foster a science and technology innovation environment that is loving, fun, and creative, cultivate maker thinking and interdisciplinary integration skills, and allow participants to experience the full process—from creative conception and hands-on production to sharing the final results—enjoying every step along the way.

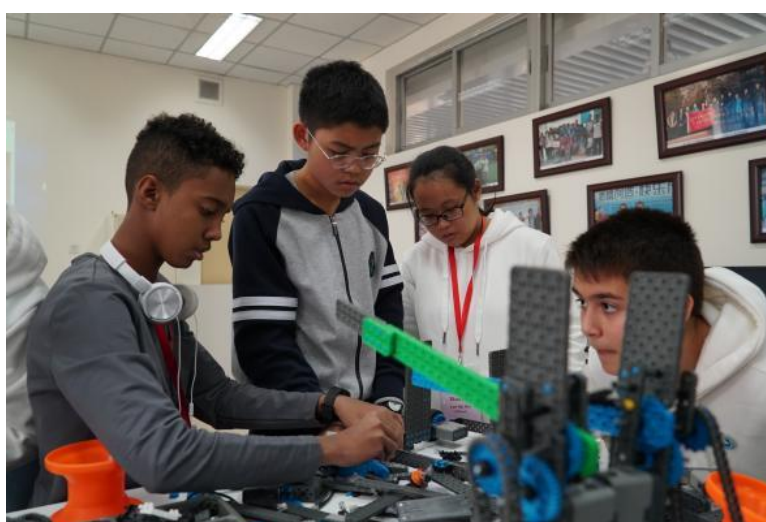




Creating Glowing T-shirts



Maker Activity



Project Discussions, Sharing Salons, and DIY Creations

Tour to Technology Exploration

Under the theme of “Technology Exploration Tour”, teachers and students are invited to visit the Science Experience Center at the Yunnan Provincial Teenager Science and Technology Center to gain an in-depth understanding of astronomy, geography, life sciences, and other areas of knowledge. Participants will also enjoy drone competitions and have the opportunity to operate drones themselves, experiencing the perfect



integration of technology and sport. The tour continues at the Yunnan Science and Technology Museum, where participants can explore featured exhibits, watch science shows, and share in a spectacular experience that weaves together technology and nature.



Experience VR Vehicle



Watch Drone Performances



Hands-on Experience with Science Exhibits



Science Show Performances

Diverse Ethnic Cultures

Participants will visit and learn about Yunnan's unique traditional ethnic cultures. They will have the opportunity to experience Dali Bai-style tie-dyeing, a distinctive form of Chinese folk dyeing and weaving craftsmanship, and appreciate the thousands of intricate patterns on each dyed fabric. Between the Cang and Er mountains, the art of white-and-blue tie-dyeing brings fabrics to life, offering a rich variety of fascinating



designs.



Experience of Tie-dyeing of Bai

Ethnic Group

Night of Cultural Exchanges

Participants will embark on treasure-hunting adventures, join campfire party, and watch folk music and dance performance, allowing teenagers and teachers from various countries to closely connect with nature, experience the warmth of ethnic cultures, and fully appreciate the serene beauty and the profound charm of Chinese culture. Through on-site interactions, the Camp promotes cultural exchange among countries, encourages mutual learning, and helps build “bridges of friendship, culture, communication, hearts, and peace” between China and the world.



Children & Youth Science Center of CAST, 3 Fuxing Rd. Beijing, 100863, China



Original folk music and dance performance



Campfire Party

Welcome to Yunnan!



The 10th Belt and Road Teenager Maker Camp & Teacher Workshop (China-Central Asia Maker Camp) in Xinjiang

(To be supplemented...)

