



# Earth Successor

A Sustainable Development Global Citizen Program

Presented by RCE (Hangzhou)





# Mission & Goals

## Mission

To cultivate global citizens who can take on the responsibility of global sustainable development in the future

## Goals

To establish a multidisciplinary and sustainable curriculum system.

To engage various stakeholders in the social governance process.

To promote a reproducible model of youth education for sustainable development.





# Organizing Institution & Program Leader

## Green Zhejiang

an organization dedicated to promoting environmental education and ecological remediation in Zhejiang Province

- China's first 5A-level civil environmental protection social organization
- The first place in the brand influence of 16,000 social organizations in Hangzhou

Person in charge of Earth Successor project  
Member of the All-China Youth Federation, Member of the Zhejiang Youth Federation  
Deputy Director of the United Nations Regional Center for Education for Sustainable Development (RCE Hangzhou)  
Founder and Secretary General of Green Zhejiang

Had won the Chinese Youth May 4th Medal  
Had won the China Ecological Civilization Award  
Had won the China Mother River Award  
Had won the China Volunteer Service Gold Award



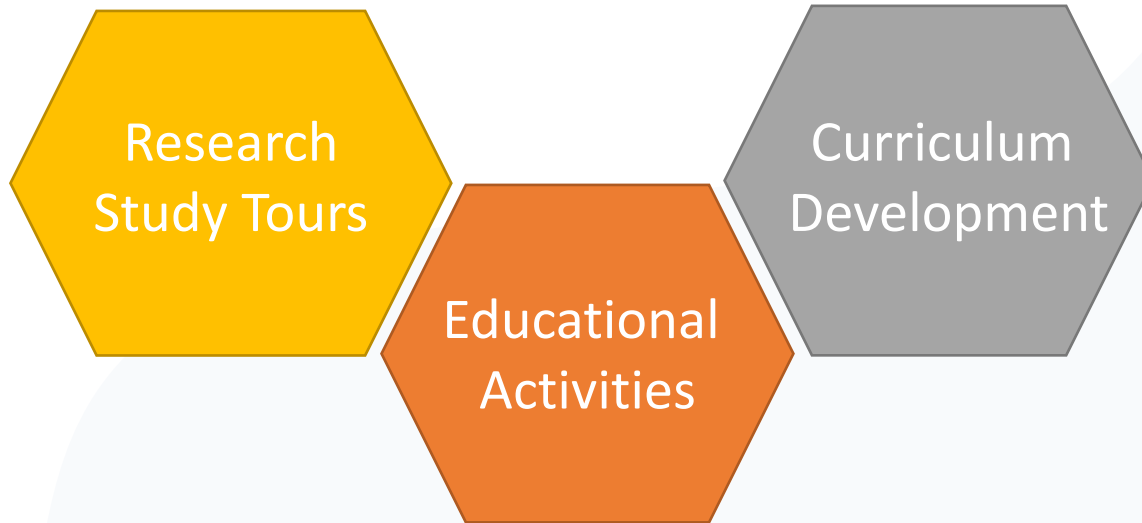
**Hao Xin**



# Three Products & Three Modules

Green Zhejiang has discovered three products with three modules in Earth Successor Program.

## Three Main Products



## Three Modules



Sustainability Development Goals achieved through this program:



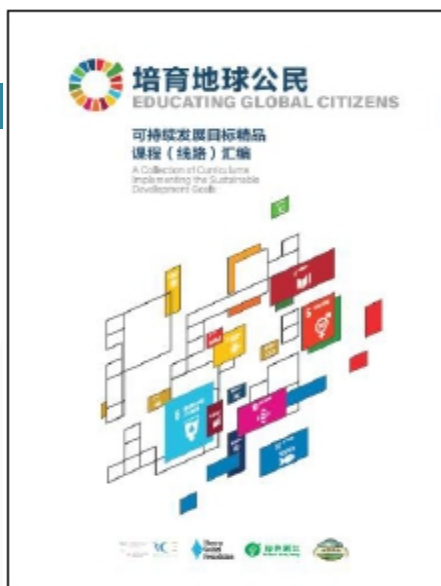




# Curriculum Development

Based on the concept of sustainable development education, Green Zhejiang Education develops various research courses in schools, bases, natural scenic spot, and township areas, in order to promotes the establishment of sustainable development education bases, and trains course teachers.

"Cultivating the Earth Citizens" Sustainable Development Goals curriculum compilation which produced in 2020 in this program was included by the United Nations Sustainable Development Education Professional Regional Center Network.



Reading is uninteresting, it gives people creative inspiration, and guides learners to experience the process of sublimation and moral internalization of the concept of "learning sustainable development" in a dazzling array of visual perceptions and practical experiences.

- Shi Gendong (Executive Director of the National Working Committee of the UNESCO China Education for Sustainable Development Project, Director of the Asia-Pacific Center for Education for Sustainable Development)

Currently, the R&D team for curriculum development of Green Zhejiang are composed by more than 30 doctoral students from Zhejiang University, Fudan University, Tongji University and other universities.

## Pop-up book - “Beijing Migratory Birds”

This course is designed for the students of upper grades, junior middle schools, high schools and elementary schools. The course content refers to the requirements of the "Science Curriculum Standards" in order to meet the teaching goals of knowledge and skills, processes and methods, emotional attitudes and values of each of the six themes, and put inside the core concepts of science education". This course aims to emphasize the concept of heuristic and inquiry-based education, allowing students to think in a scientific way. Students can make pop-up books individually or in groups of 2-4 people, closely integrated with classroom knowledge. This method can effectively increase students' interest and enthusiasm for participation in sustainable development.



The pop-up book series "Migratory Birds in Beijing" was awarded as an excellent popular science work by the Beijing Municipal Science and Technology Commission. The curriculum was adopted by more than ten middle schools in China including the High School Affiliated to Peking University, the High School Affiliated to the National People's University, and the 101 Middle School.

## Coasts and River Monitoring

In the estuary coastal area of the Yangtze River estuary and Qiantang River estuary, there are some beaches with alternating salt and fresh water. The various organisms on these tidal flats are mainly benthic molluscs, crustaceans, worms, and tidal flat fish. By getting the volunteer monitoring projects proposed by the British Marine Ecology Association and the Boston Coastal Administration of the United States as the reference, we organized a monitoring program for students to continuously monitor the biodiversity situation of the tidal flats at the mouth of the Yangtze River and Qiantang River. Combining the local tradition of driving the sea, let young people learn about ecology in the joy of driving the sea, and understand the importance of ecological diversity.

## Gu Shan Mountain Field Trip

Through the visit in Zhejiang Provincial Museum - Gu Shan Branch, Xiling Seal Art Society, Wenlan Chamber and Zhong Shan Park, with interdisciplinary connection, focusing on calligraphy, mathematics, surveying, and ancient book protection, discovering the ordinary and the unusual, students able to develop themselves the comprehensive problem-solving and deep learning skills.





## Huanghu Natural Experience Park

Based on the wetland biology and its environment, traditional Chinese rice farming system, and Permaculture system, we build the Lake Huanghu Natural Ecological Park to allow students to learn and experience the following topics in a series of courses:

- Liangzhu Culture's understanding on the wetlands and its utilization.
- The living wisdom of the early southern agricultural settlement civilization
- The rice culture in the south of the Yangtze River, as well as the material-energy cycle and ecological balance principles in traditional farming modes such as rice-pin, rice-fish, rice-mulberry, etc.
- Observation and records of living habitats of insects, fish, amphibians, birds, in paddy fields ecosystem, and the significance of native species diversity.

This content of this course is closely related to the knowledge in the science class of elementary and middle schools which include surface runoff, groundwater, spring water, ground temperature, phenology, solar calendar, etc.







# Study Tour

We would like to bring the students to the global to explore the contribution of other countries in sustainable development.

## Global Study Tour

Based on the in-depth cooperation with the United Nations Regional Center for Sustainable Development Education (RCE) global network, the Global Water Protectors Alliance (WKA), the International Water Management Alliance (AWS), the H2O International Riverside Development City and other international networks, Green Zhejiang Education connects more than 500 well-known universities and international institutions committed to promoting sustainable development on six continents, and establishes a mutual visit mechanism with local governments. The future messenger SDG scientific expedition emphasizes in-depth visits to local institutions and local communities, leads children to discover and explain sustainable development issues, promotes children's policy thinking, and directly interviews policy makers.



# Global Study Tour Route

Hawaii, U.S.	Cheongju, Korea	Rhine River
<ul style="list-style-type: none"><li>• Learning the concept of sustainable development of ancient Hawaiian communities</li><li>• Visiting indigenous spiritual leaders</li><li>• Visiting the Speaker of the Hawaii State Assembly</li></ul>	<ul style="list-style-type: none"><li>• Government Cooperation and Exchange Project</li><li>• Visit to the Green City of Korea</li><li>• Stay in Cheongju Ecological Center</li></ul>	<ul style="list-style-type: none"><li>• From the source to the estuary to experience the world cultural heritage in many countries</li><li>• Visit the International Commission for the Protection of the Rhine River</li><li>• Visit the Sustainable Development Agency</li></ul>
Bahamas	Australia	Kenya
<ul style="list-style-type: none"><li>• In-depth exploration of marine resources</li><li>• Beach cleaning operations and beach monitoring</li><li>• China-Brazil Friendship river wall painting</li><li>• Co-construction of mangroves</li></ul>	<ul style="list-style-type: none"><li>• Visit the Chairman of the Water Management Alliance</li><li>• Visit the Tasmanian virgin forest</li><li>• Under the leadership of sustainable development experts</li><li>• Learn about Australia's biodiversity</li></ul>	<ul style="list-style-type: none"><li>• Learn to experience the great migration of animals</li><li>• Fully learn about the Sustainable Development Goals</li><li>• Visit UN Environment officials</li><li>• Visit Kenya National Parks</li></ul>



# Study Tour

We would like to bring the students to the global to explore the contribution of other countries in sustainable development.

## Domestic Field Trip

Taking the opportunity of the education department to promote the transformation of basic education to sustainable development education, Green Zhejiang Education designed the cross-border resources accumulated over the past 20 years into exploratory learning activities, built a research curriculum system and established a research activity base closely around the sustainable development goals. Through the STEAM interdisciplinary curriculum design, the SDG research activities of the future messenger enhance the international vision, macro analysis and critical thinking skills of young people in practice, guide them to discover and explain the problems of sustainable development in the economic, social, and environmental fields, and help them to think and think. Establish a life plan.





# Domestic Field Trip

## One Qiantang River

Learn about the traditional culture of the Qiantang River Basin / Learn to experience the Qiantang River surge / Visit the cultural heritage site of the Qiantang River Basin / Understand the water environment science and governance and protection policies

## Environmental protection

"Metro"-style learning of garbage disposal / Roundtable on neighboring effect / Drawing public welfare harness pockets / Becoming a "small river long" / Protection and governance of water sources

## History and Humanities

Land of Fish and Rice and Sangji Fish Pond / West Lake Cultural Heritage / Inheritance and Development of the Greater Bay Area / Beijing-Hangzhou Grand Canal

## Technological Innovation

Dream Town and Entrepreneurship / Technological Enterprises and Future Energy / Children's Financial Education / Electricity Development

## Rural revitalization

Learn a brief history of agricultural development / I have a home in the countryside / Experience in traditional agriculture / Visit to modern agriculture / Learn about the future problems of genetically modified agriculture

## Natural Classes

The Covenant between the Great River and the Sea-The Tidal Flats and Biology at the Estuary / The Biodiversity of Tianmu Mountain / Visiting Gushan Mountain and Deciphering the Provincial Museum



# Educational Activities

With Green Zhejiang, Sustainable Development Education (RCE) Hangzhou Professional Regional Center, and Qiantang River Water Protectors as its core public welfare platforms, Green Zhejiang Education able to develop local and global interaction, and cross-industry co-creation. Green Zhejiang has promoted a series of public welfare and cultural activities around sustainable development goals, and these activities provide more opportunities for the youth in Earth Successor Program to contribute themselves in sustainable development.

## River Angels Project

This project is initiated by Jack Ma, supported by the cooperation between international organization, government and NGO, mainly organized by Alibaba Fund and The Paradise International Foundation. In this program, students are trained to become local waterway protectors, environmental interpreters, and water resource protection solution innovators.



## Qiantang River SDG-theme painting day

This activity gathered students and teenagers to paint the river wall along the Qiantang Riverside – over the past decade, the river wall has grown to be 11.4 kilometers long.

## Water Successor

Collaborate with Coca-Cola company for over ten year. This program calls on young people and all sectors of society to carry out participatory water saving and water conservation activities. We carry out various forms of water resources protection and sustainable use of resources during major environmental festivals.

## Swimming across Qiantang River

Collaborate with Hangzhou Lifesaving Association. Thi activity intends to promote the importance to protect mother river to the public.

## Read for the earth

This activity is held every year on 22nd April (World Earth Day) and 23rd April (World Book Day). In this event, people read a classic sustainable development masterpiece across six continents.

## Sustainable Development Goals Football Game

Students able to meet new friends and learn the sustainable goals with the form of football games.

## H2O Global River Cities Summit

20 cities along the river from all over the world participate in this summit. Students participated in River Angles Project had the opportunity to have the conversation with the mayor about sustainable development.







# **Linkage with the ESD for 2030 framework**

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## **Local actions on advancing policy**

### **Opinions on Promoting Study Tours for Primary and Secondary School Students**

In recent years, the China's Ministry of Education has attached great importance to the implementation of practical education of primary and secondary schools, and has adopted a series of policies and measures to guide various regions to enrich the resources of educational activities and carry out various forms of practical activities. In 2016, 11 departments including the Ministry of Education jointly issued the "Opinions on Promoting Study Tours for Primary and Secondary School Students". According to the requirements of the "Opinions" and combined with local actual situation, government encourages all regions to incorporate study tours into school education and teaching plans.

Recent years, Green Zhejiang are active in supporting this government's opinions. We have organized many study tours program in local and also global, aim to broaden the students' horizons. We integrate the school curriculum with the study tours in order to allow students can put the knowledge they learnt in school into practice.



## Double Reduction Policy

The General Office of the Central Committee of China's Communist Party and the General Office of the State Council on July 24, 2021 jointly released the Opinions on Further Reducing the Burden of Homework and Off-Campus Training for Compulsory Education Students. In this opinions, there is a policy called Double Reduction. This policy refers to a reduction in the total amount and time of commitment required by school homework and a reduction in the burden of off-campus or after-school training programs.

Through the activities of the Green Zhejiang Initiative, students can have more time to get in touch with nature and experience different new things in the concept of environmental protection and sustainable developmen. The projects such as River Angels will also enable students to develop their own leadership and problem-solving skills in order to cultivate outstanding leaders in the future.

## Local actions on building capacities of educators

Earth Successor works in alliance with the Department of Education and has prepared various ESD curriculum plans, including “Educating Global Citizens - SDG Curriculum Collection”, “Fiver Waters and Treatment”, “Scientific and Technological Innovation and Entrepreneurship”, “We are Qiantang River Waterkeepers”, “Ecological Yuhang 2020”, “Walking into the Wenruitang Basin”, and more. These programs act as an ESD guidebook for other educators.

In collaboration with Dreamland Nature Center, Earth Successor promotes ESD work in the countryside by connecting rural schools with the top educators from city. The program integrates rural revitalization strategies and has established ESD centers in 5 rural and township areas: Chun'an, Fuyang, Tonglu, Yuhang, and Lin'an. The “Baizhang Charity Village” in Baizhang town has introduced a group of volunteer scientists to reorganize the Baizhang Town Science and Technology Association and lead the operation of an ESD center. This served not only to improve the face of local villages, but also provide a place for local youth to engage in ESD. With this approach, the cities, towns and villages are able to cultivate their own educators and more people will be benefited in sustainable development education.

The representatives of the best programs submitted to the SDG Curriculums Road-Show





## Local actions on transforming learning environments

In order to for students to have a better learning experiences, Green Zhejiang has established four sustainable development educational base. We think that students should not limit in the classroom, they should step out their feet, to move from indoor to outdoor. Below is two of our educational base.

### Huanghu Natural Experience Park

A low carbon community with 3R practice

- The second classroom educational base in Hangzhou
- Has won the Gold Award in China Charity Project Competition
- Sponsored by UNDP



### Anji TingFengBieYinYuan Educational Base

A zero waste community by using natural materials

- Has orgnized many environmental meeting
- Is a popular science education demonstration base in Anji Base
- Awarded by Zheng Jinping, Secretary of the Party Leadership Group of Zhejiang Association for Science and Technology

## Local actions on empowering and mobilising youth

In Earth Successor program, we have organized many activities in order to empowering and mobilising youth. For example, in River Angels project, there are some activities that have taken place to stimulate the students' action force in promoting sustainable development such as "Water Stories of the Ancient City Gates", an story interpretation competition, "Voice of River Angels", a music festival, SDG Football Competition, mock environmental court, etc. In this program, students also need to take the regular action to protect the river they responsible for autonomously. The students patrol the rivers regularly, monitor the water quality and clean up the garbage and invasive species.



Monitor water quality



Mock environmental court



Story interpretation competition



Voice of River Angels





# Outcomes

Earth Successor has cultivated 27,000 river angels, held educational tours and activities for nearly 10,000 students, written five curriculum handbooks, established five ESD centers, and impacted over a million people in positive ways. One of Earth Successor's curriculum handbooks, "Educating Global Citizens" SDG Curriculum Collection, was published online at RCE Network Platform. The River Angels program received the 2019 Outstanding Flagship Project Award from Global RCE Network, the "We are Qiantang River Waterkeepers" Action received golden medal of 2020 China's Voluntary Service Project Competition, and the Earth Successor Team won the gold award in the China College Students' Entrepreneurship Competition 2018.



"Educating Global Citizens" SDG curriculum collection



# Thank you!

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