
university students' understanding of climate change, decrease the damage, and adapt to it. The MOE will deepen the collaboration between industry and the international community. With the concept of "Living Labs," students are guided to reflect on environmental challenges and act accordingly.

## 3 Disaster Prevention on Campus: Enhanced Network and Management Skills

In accordance with the Disaster Prevention and Protection Act, the MOE has promoted disaster prevention training projects at every educational level. Each year, subsidies are granted to local governments and schools to prevent disasters from happening on campus. The "Resilient Campuses Against Disasters and the Application of Technology in Disaster Prevention Project" promotes campus safety and disaster prevention, as well as to increase awareness of disaster prevention and safety. In the future, in addition to disaster prevention training in elementary and secondary schools, the MOE will further subsidize schools for building specialized disaster prevention campuses and enhancing disaster prevention capabilities so that disaster scenarios can be simulated in classrooms and to develop teaching materials and tools customized to accommodate individual campus needs. Preschool, special education, and Indigenous teachers will also be incorporated into disaster prevention training and promoting disaster prevention youth awareness.

## 4 Energy Transition: Solar Power on Campus

In line with the direction of Taiwan's energy transition, the MOE follows the Executive Yuan's renewable energy policy by encouraging public schools and institutions to adopt the PV-ESCO (solar photovoltaic energy technology services) model, where a school or institution does not need to appropriate a budget for power. All they have to do is lease their roofs to solar power operators, who will install rooftop solar power systems and take care of the maintenance afterwards. This is an effective way of using vacant public space and generating income. Moreover, photovoltaic panels can serve as heat insulation as well as have a cooling effect on indoor spaces, reducing the energy cost of using air conditioners. Hopefully, this will help achieve the goals of energy security, green economy, and environmental sustainability. The cumulative goal is to reach 128 megawatts in capacity. For students to be able to exercise in the summer heat, the installation of ground-based photoelectric courts has been actively promoted since 2018 to provide a comfortable space for teachers and students to play sports. The goal is to reach 62 megawatts in capacity. In 2020, in line with the policy of "air conditioning in every classroom," the MOE promoted the installation of solar photovoltaic panels in primary and secondary schools and actively assisted in the installation of rooftop solar power generation equipment. The goal is to reach 324 MW in capacity.

## 5 Tree Planting & Tree Loving Education

Starting from July 2020, the "Campus Tree Planting Program" was implemented in four phases: comprehensive inventory of campus trees, planning for the addition of school trees, tree planting, and promotion of tree-loving education. The goal is to create green spaces on campuses, reduce energy consumption for air conditioning in schools, and create comfortable learning environments. The program was initiated by the MOE and the Ministry of Agriculture, inviting tree experts to assess spaces for planting native tree species. From March to May 2021, more than 700 schools nationwide received over 13,000 newly planted seedlings. The "Tree-Loving Education Counseling Team" established by this program provides consultation services for school tree planting and maintenance and has developed the "Campus Tree Information Platform." This tree data platform archives information on over 780,000 campus trees nationwide, including maps and guides, can be leveraged for tree information card printing, and is designed to manage and organize data in a structured manner. Additionally, the team regularly updates digital educational materials related to tree-loving education and organizes capacity-building workshops to deepen interaction with trees on campus, fostering a love for trees.

Furthermore, the program has launched the "Guardian of the Forest" game-based learning material on the website. Through gamified learning, students are encouraged to learn about common tree species on campus, tree planting and maintenance, environmental education, and zero-emission issues.

## 6 Campus Green Hedge Project

In response to the national tree planting policy of the Executive Yuan, the MOE collaborates with the "National Tree Planting Consultation Center " of the MOA. Through the establishment of campus green hedges, the project aims to improve poor visibility and roadside noise issues around schools, enhance campus landscape aesthetics, and continue promoting tree-loving education. In 2023, a total of 104 schools were subsidized, and in 2024, the project will continue promoting campus green hedges and tree-loving education. Additionally, plans include promoting education and training on tree carbon sequestration, with each county or city selecting at least one school as a demonstration campus. ■