



development, thematic interdisciplinary and project-oriented learning. Additionally, pilot programs include Bring Your Own Device (BYOD) and Take Home and Study with Device (THSD) initiatives, as well as “Bilingual Digital Learning Companion Programs,” extending digital learning from schools to homes, connecting in-school and after-school learning, and creating a diverse digital and bilingual learning environment.

**4** Support System and Educational Big Data: Promote tiered counseling mechanisms, subsidize local governments and the MOE in establishing digital learning promotion offices, and jointly promote by university-led counseling teams. Additionally, the MOE plans to collaborate with local governments to promote in-school and in-classroom companion services, assisting teachers in implementing digital teaching. Furthermore, an educational big data analysis system has been established to detect learning difficulties for students, provide references for teachers to adjust teaching methods, and subsidize colleges and universities in offering micro-programs in educational big data to cultivate professional talents.

**5** The MOE has promotional events such as organized digital learning forums, Taiwan Education Technology Expos, and Self-Regulated Learning Days, showcasing the implementation results of related innovative policies. In 2023, representatives from

multiple countries such as New Zealand, Germany, Japan, and Australia were attracted to exchange experiences with the MOE. Additionally, invitations were received to share experiences in the United States, Japan, and other countries. Furthermore, Kuo Bor-chen , the executive secretary of the developer of the “TALP,” was awarded the Cognition and Assessment SIG 2023 Contribution to Practice in Cognition and Assessment Award by the American Educational Research Association (AERA). In the future, besides continuing to promote various projects, plans will be made to showcase the promotion results through organizing international exchange conferences and promoting outstanding selections. These activities aim to encourage active participation from schools and personnel . Furthermore, exchanges on digital learning will be promoted internationally to share Taiwan’s experiences and learn from the characteristics of other countries for continuous improvement.

## C Environmental and Disaster Response Education

The MOE has been promoting environmental and disaster prevention education in schools. The five environmental topics included in the 12-year Basic Education Curricula include environmental ethics, climate change, disaster prevention and rescue, sustainable development, and sustainable energy resources. Measures have been taken to support local governments, schools, and civil society and to enhance students’ environmental awareness. Details are as follows:

### 1 Environmental Education and Sustainable Campuses

Since 2022, the MOE has been implementing the “New-generation Environmental Education Development,” policy’s medium- to long-term plan through the seven strategies of strengthening the policy support system, reinforcing teachers’ professional competency, promoting high-quality course development, optimizing learning and training environments, encouraging youth environmental action, developing local sustainability solutions, and connecting with international partners. In accordance with the five themes of environmental education under the 12-year Basic Education Curricula, the MOE develops teaching demonstrations, organizes teachers’ skill acquisition seminars, and school environmental education practical competitions, which are implemented by local governments’ environment education groups.

Since 2019, the Taiwan Sustainable Campus Project has actively encouraged schools to evaluate and document their local environment and plan their environmental education curriculum around this information,

in accordance with the 12-year Basic Education Curricula and the UN’s Sustainable Development Goals (SDGs). The MOE also supports schools in upgrading facilities for environmental education to become sustainability role-models so as to inspire other schools sharing similar environmental characteristics to make changes accordingly. In response to the global trend towards proactive net-zero emissions strategies in combating climate change, this project will leverage existing facilities and measures in campus environments in our country. Coupled with quantitative environmental monitoring, it aims to assist campuses in transitioning to intelligent operations and optimizing management to achieve the goal of creating smart, sustainable, and circular campuses.

### 2 Continuous Push for Climate Change Education at Universities

In response to climate change concerns, the MOE is devoted to cultivating interdisciplinary talent that specializes in adapting to climate change and producing supplementary course materials. In addition, the “Climate Change Creative Contest” is held annually to increase

