

# Taoyuan Astronomy Carnival as a Platform for Science Education and Public Engagement

*Thursday, 4 September 2025 11:00 (15 minutes)*

AE4ALL (Astronomy Education for All) is a nationwide science education initiative in Taiwan that aims to foster interest and understanding of astronomy across all age groups. Anchored at the National Central University (NCU) Observatory, the program brings together academic and community resources through exhibitions, workshops, and interdisciplinary collaboration to promote astronomy education.

As one of its core outreach efforts, the Taoyuan Astronomy Carnival has been held annually since 2022. Hosted by NCU, the event promotes science education while positioning Taoyuan as a key center for astronomy outreach in Taiwan. With a strong focus on interactive displays and hands-on learning, the carnival encourages participation across generations and cultivates curiosity through experience-based engagement.

The 2024 theme, “Traveling to Mars,” introduces the Martian surface and atmosphere using 3D models and high-resolution topographic data, inviting visitors to consider future exploration and habitation. The 2025 exhibition, “Our Sun,” focused on solar activity and its influence on Earth and space weather. It was held at the Taoyuan Public Library, a central and accessible venue intended to broaden public participation.

AE4ALL has also developed partnerships with schools and libraries across Taiwan. Notably, it has collaborated with the NCU Library and Dazhu Branch Library to host astronomy-themed book exhibitions and organize public science lectures. These efforts aim to deepen public understanding of the universe and demonstrate sustainable, community-based models for astronomy education.

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