

# Based on Curriculum Standards, Carry out Astronomy Education

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The curriculum standard requires that students should be guided to form a correct understanding of astronomical phenomena, stimulate their interest in exploring the universe and establish a scientific outlook on the universe by learning such modules as astronomical observation, solar system and Earth Moon system, sun and stellar world, Milky Way and the universe. Based on Curriculum Standards, Jiangsu Tianyi High School Astronomical Society has developed rich curriculums of three types - popularization, academic, and research. Tianyi Astronomical Society has carried out a series of extraordinary research independently or in cooperation with world-leading institutions, and achieved fruitful results. In recent years, students have discovered 20 NEOs, won more than 10 medals in the International and the National Astronomy Olympiad, and won more than 100 medals in various scientific and technological competitions. students have published more than 10 papers in academic journals. A group of students entered top universities to continue their studies in astronomy, such as Peking University, Nanjing University, Princeton University, Cornell University, etc.

# I Popularization Curriculum



Based on the typical characteristics of each discipline, taking activities and personal involvements as the fundamental form, and students' interests cultivation as the prime objective, it targets the whole campus by carrying out popular science lectures and events.

Figure 1. Sidewalk Astronomy Night: National Astronomical Science Popularization Project

Figure 2. Universe Awareness: Children's Astronomical Science Popularization Project

Figure 3. Astronomical globalization: Community Astronomical Science Popularization Project



Figure 2



Figure 1



Figure 3

# II Academic Curriculum



Based on the core info of each discipline, taking the intensive training as the main form and solid achievement in both knowledge and skills as the prime objective, it targets the students' associations by carrying out theoretical studies and observational practice.

Figure 1. Scientific investigation on astronomical theme

Figure 2. Astronomical Observation Curriculum

Figure 3. Astronomical Theoretical Curriculum



Figure 1

Purple mountain observatory, CAS

Beijing Planetarium

Changchun Observatory, CAS



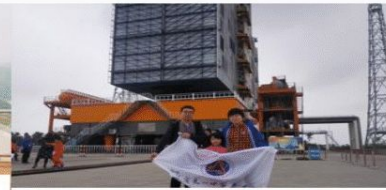
Figure 2



Figure 3



Five-hundred-meter Aperture Spherical radio Telescope,FAST



Wenchang Spacecraft Launch Site



Changchun Observatories, CAS



Jodrell Bank Telescope, UK



Royal Greenwich Observatory, UK



Zselic Observatory, HU





# Fruitful Results



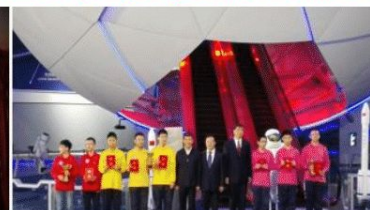
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Meeting with academician Ouyang Ziyuan, Taikonauts Liu Yang and Liu Wang



Won prizes in the IOAA, IAO, APAO

Participated in the design of Youngster Star 1 satellite and observed the launch of Chang'e 4 on site