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SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Ignition - Primary Space Education (1)

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XUESEN'S WISDOM CABINET: IGNITION FOR THE FUTURE GENERATION OF CHINA SPACE

Abstract

Mr. Tsien Xuesen is a famous and well-known scientist of China. He was not only the founder of China Space and Defense Industrybut also a great educator and enthusiast of cultivating young talents. His question - known as "Tsien Xuesen's ask" - arouse hug wave of re-thinking on Chinese Education system. The essential and embarrassing question is : why China school cannot cultivate the most excellent genius or creators in science techonlogy? Meanwhile, the recent years have witness great leap forward in China Space Industry, including Shenzhou series manned spaceships, Tiangong Space Station, Compass Navigation constellation, Chang'e Moon exploration projects. People are increasingly interested in Space, and want to learn more about it. However, the public often feel helpless and far way from outer space things, and there are so few opportunities and related infrastructure for education use. Project "Xuesen's Wisdom Cabinet" is targeted to provide an overall solution to this problem, and create a friendly atmosphere for space exploration among kids. This project will provide the primary schools and its students a wonderful media to closely contact the Tsien Xuesen's stories, space knowledge, and Tsien Xuesen's spirits. Even more importantly , hands-on experiments of launch rockets models can give the students impressing experience on space science, careful hands work, and team collaboration. All this will benefit the students a lot in their future learning and career. Several cabinets have already been constructed and successfully put into education use. The projects reaps warmly welcome by the primary schools' teachers and students, and now receives more and more concern of media and space industry. Many national organizations like CSA (Chinese Society of Astronautics), CEEA(China Education Equipment Association),CAS(China Academy of Science), space industry complex like CASC(China Aerospace Science and Technology Corporation), and many other private corporations have joined this project, and provide extra boost power. The autograph of this program was written by the China academician ZHENG Zhemin who won the Chinese highest national prize of science and technology, and brought to space via the Shenzhou manned spaceship. The seeds after space breeding measures will be taken to the north polar of the Earth for further research, by two primary school students. The latest technologies, such as 3D printing, virtual reality, nanotechnology will also strengthen this ongoing program. This paper will provide the background, mission, strategy, and cases study of Tsien Xuesen's Cabinet Program.