

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Hands-on Space Education and Outreach (8)

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BRINGING SPACE SCIENCE CLOSER TO THE K-12 STUDENTS IN NEPAL

Abstract

This paper presents the space science hands-on activities of the Nepal Astronomical Society (NASO) for the students at schools and universities in Nepal. It will focus on the activities for the school level particularly taking space science into the classrooms using Information and Communication Technology (ICT). It will discuss the evolution of our National Space Art Competition and National Online Space Speech Competition around World Space Week Celebration, National Science Day of Nepal and World Science Day for Peace and Development. It will also share the implementation strategies and the impacts of the program among the K-12 students to teach them importance of the Science, Technology, Engineering, Arts and Mathematics (STEAM) education for the future of Nepal.

This paper will share our experience working in partnership Fly Beyond Dreams (FbD) to introduce space robotics among the K-12 students in Nepal. We will share our success story of the 'AirBus Little Engineer Workshop' held in January 2019. It was the first space robotics workshop to the school level students and also a first workshop at a community school in Nepal.

It will also share briefly about our efforts and the impact of introducing NASA International Space Apps Challenges at two different cities, Kathmandu and Biratnagar, for the first time in Nepal.