

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)  
Lift Off - Secondary Space Education (2)

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SENDING NEPAL'S FIRST SCHOOL STUDENTS' EXPERIMENT TO THE SPACE!

**Abstract**

Space has always been fascinating to us since the schools days hence we thought of doing something that helps us to create an opportunity for Nepali students to learn, design and send their experiment to space. In 2021, Nepal Astronomical Society (NASO) collaborated with idoodLEDU to create Cubes in Space NASO program. Though the Cubes in Space program by idoodLEDU for 11-18 years students, due to the enrollment age for school in Nepal, we decided to include students from 13-20 years of age. A total of 55 students from across the countries were selected to work on fifteen different teams for two different platforms: Sounding Rocket and Research Balloon respectively. Finally, two projects one for each platform were selected and sent to space. This paper will present how we maintain the diversity, team formation, students' engagement and effectiveness of virtual workshop to teach school students STEAM concept especially Space Experiment Design. It will also present the challenges we faced while implementing the workshop and retrieving the experiments to Nepal.