

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

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HOW TO NURTURE ELON MUSK IN THE CLASSROOM

**Abstract**

The **science accelerator** is an educational program educating students, 14-18 years old, globally to become space entrepreneurs. The program, 7 months long, is divided into **two phases**: **The incubator**: where students learn about space, new space and think of innovative ideas that must be scientifically based, original and innovative to help humanity colonize the moon and beyond. And the **acceleration phase** where they learn to further develop their ideas together with top space industry mentors using also business methods. The students are required to build a model of their entrepreneurial idea using technological tools such as Programming, 3D modelling or robotics. The students learn with top scientists from NASA and other space agencies, space entrepreneurs and business people. We are teaching in a Hybrid way, using an innovative educational platform we have developed in order to teach the program effectively with our groundbreaking pedagogy that combines Social Emotional Learning as well. The students learn and work with their peers abroad (the program has reached nine different countries so far including US, Turkey, Nigeria, Italy and more). **In Israel the Ministry of Education recognize it as part for the Israeli SAT.** It won several recognitions as a pioneering program in the field of space. We will present an accompanying study that we conducted and proves that the program has an extraordinary impact on the students, indicating it is a life-changing program. The lecture will also provide useful tips on how to nurture space entrepreneurship in class. We will also demonstrate students' works, the platform and the facilitators' feedbacks.