

Program Overview:

Cubes in Space™ (CiS), a global STEAM-based education program for students (ages 11-18), provides a no-cost opportunity to design and compete to launch an experiment into space on a NASA rocket or scientific balloon.

Students and educators are equipped with engaging content and inquiry-based activities in preparation for the design and development of experiments to be integrated into a small, plastic cube. The cubes are launched either via sounding rocket from NASA Wallops Flight Facility on Wallops Island, Virginia in late June 2019 or via research balloon from NASA Columbia Scientific Balloon Facility in Fort Sumner, New Mexico in late August 2019.

The Cubes in Space curriculum is flexible and adaptable and designed to be integrated into the classroom or homeschool environment as a comprehensive design project or can be offered as an extra-curricular program. Community outreach programs, science and technology camps, and after school clubs are just a few examples of organizations that serve children that are eligible to host the Cubes in Space program.

Cubes in Space™

i n g e n u i t y t a k i n g f l i g h t

Program Goals:

- Demonstrates to students relevant interconnections between STEM concepts
- Provides real-world experiences in which students apply their knowledge
- Builds students' confidence in their own intelligence and problem-solving abilities
- Enables students to believe that they are analytical and effective thinkers capable of taking more difficult courses and pursuing STEM-related careers in the future

Supporting NASA Mission and Goals:

- Inspire students to be future scientists, engineers, explorers, and educators through interactions with NASA's people, missions, research, and facilities.

Who Can Participate?

Students between the ages of 11-18 that:

- need or crave something inspiring to ignite their imaginations and fuel their desire to learn
- want the opportunity to design an experiment for spaceflight

Educators who want:

- to engage individuals or groups of students in an authentic and exciting short-term STEM project
- a complete design project curriculum, free of charge

Cubes in Space, an idoodledu inc. program, is a partnership between NASA Langley Research Center, the Colorado Space Grant Consortium, and with support from NASA's Sounding Rocket Office and Balloon Program Office headquartered at NASA Wallops Flight Facility.

**Cubes In Space
2019 Program Launch**

**Rocket Launch
June 2019**

**Balloon Launch
Aug.-Sept. 2019**

www.cubesinspace.com

