

Org-Type

Government-based

Lead

NASA Ames Research Center

PoC

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Address

URL

Service-Region

Nationwide

Type

Student Program

Subjects

Engineering

Level

Undergraduate

Other-Objectives

Served-per-Year

Demographics

Content

This award is an opportunity for university students to work with NASA engineers to conceive, design, fabricate and test a radio-controlled aircraft capable of taking off and landing while carrying a maximum load of cargo. Students will develop their aircraft and compete for the new NASA Systems Engineering Award as part of the Aero Design competition, made possible through a partnership between NASA's Aeronautics Research Mission Directorate and SAE International. Students competing for the award will receive e-mail feedback from NASA engineers who will review the students' work at two critical points during the design and development of their aircraft. Participation in the NASA Systems Engineering Award is optional. The purpose of this new award is to engage students in the systems engineering process. NASA wants to expose more of today's engineering students to systems engineering concepts and practice, which are integral to industry and research in today's world.

Outcomes

With this competition, NASA continues its tradition of investing in the nation's education programs. The competition directly ties into the agency's major education goal of strengthening NASA and the nation's future workforce. Through this and the agency's other college and university programs, NASA will identify and develop the critical skills and capabilities needed to support its long-term aeronautics requirements.

Started

Funded-Through

Length

Cost

Primary-Funding

Primary-\$

Materials

Other-Funding

How-Assessed

Best-Practice-Why

Promising-Practice

Sponsor

Sponsor-Org

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Other-Orgs