National Transportation Workforce Summit

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Why Is It Important?

- The future of the aerospace industry is an indispensable component of our nation's infrastructure.
  - Currently, aerospace represents between 3 and 5 percent of the U.S. GDP, supports more than 11 million jobs, and leads the U.S. economy in net exports.

- FAA's AVSED Program is actively working with partners to introduce quality science, technology, engineering, and mathematic (STEM) programs to students.

- We are developing new partnerships and collaborating with industry and education in an effort to address anticipated workforce shortages.

Regional Outreach

- Providing AVSED Outreach Councilors
- Classroom Assistance
- Public Speakers
- Career and Curriculum Guidance
- S.T.E.M. Program Support
- ACE Academies
- Career EXPO's
- Student Competitions
- Art Contests
- Comprehensive Website

www.faa.gov/education



Real World Design Challenge

- The Real World Design Challenge (RWDC) is an annual competition that provides high school students, grades 9 – 12, the opportunity to work on real world engineering challenges in a team environment.

- Each teacher that puts a team together receives $1 million in engineering software.

Real World Design Challenge



The National Coalition of Certification Centers (NC3)

- NC3 incorporates over 50 advanced technical education centers, community colleges, and manufacturer-sponsored training programs.



- The partnership between the FAA and NC3 both leverages limited resources and fosters the development of STEM skills.



- NC3 provides the platform for members' schools to work with other educators, industry partners, and organizations in their geographical area.

Build A Plane

•An IRS-approved 501 (c) (3) non-profit organization working to promote aviation an aerospace education.

•Build A Plane solicits aircraft donations then provides those aircraft to schools at no cost.





•Many students go on to become pilots, aviation technicians or students on aviation/aerospace career paths.

www.buildaplane.org