



FACT SHEET

UNITED STATES AIR FORCE

Air Force Research Laboratory, Office of Public Affairs, 3550 Aberdeen Avenue S.E., Kirtland AFB, NM 87117-5776
(505) 846-1911; Fax (505) 846-0423

AFRL La Luz Academy STEM Challenge Flight



The STEM Challenge Flight provides an opportunity for teams of high school students to plan and carry out a real-world STEM project. Teams of three or more students use a systems engineering approach to complete a STEM project. As part of this process, teams formally address and document the following project details: goal, constraints, requirements, timelines, plan, design, work breakdown, testing, and results. This activity is evolving to include the use of social media to provide opportunities for more interaction between AFRL scientists and engineers and the student participants.

In addition to completing work on their STEM project, each team is accountable for several key scheduled events, or milestones, during the course of the school year. As students complete these milestones, they earn points that gain them access to additional support and resources to assist them in completing their project.

Teams who earn a qualifying score from completing work on the project participate in the STEM Challenge Symposium held in April each year. During the Symposium, students share their project results with peers, and other invited guests. Top performing teams will be offered an opportunity to participate in a summer workshop to further explore the STEM project during the summer. A compilation of project results, called the Symposium Proceedings, is printed and provided for each participant and other interested parties.

For more information, contact AFRL La Luz Academy at (505) 846-8042
or go to: www.vs.afrl.af.mil/LaLuz.

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