

AIR MASTERS™



A STEM AVIATION CHALLENGE - Feb. 20, 2026

The Air Masters Competition is a fun STEM challenge that invites motivated high school students to problem-solve a real-world aviation scenario created by leading STEM educators and leaders across the military, academic, and private sectors.

ACCEPT THE CHALLENGE

- ▶ Expand confidence in STEM and team-building skills
- ▶ Ignite STEM passion and explore aviation and technical careers
- ▶ Cultivate relationships with leading industry professionals
- ▶ Strengthen problem-solving skills through hands-on immersive learning challenges
- ▶ Technical troubleshooting beyond the classroom, using real-world tools



OPEN TO ALL HIGH SCHOOL STUDENTS IN GRADES 9-12 IN ELIGIBLE SCHOOL DISTRICTS*

*Eligible districts include:

Auglaize, Butler, Champaign, Clark, Clinton, Darke, Fayette, Greene, Mercer, Miami, Montgomery, Preble, Shelby, Warren



- AFIT
- AFRI
- AIAA Dayton Chapter
- BETA Technologies

- NMUSAF
- Sinclair College
- SOCHE
- University of Dayton

► **STEP 1: ESTABLISH A TEAM COACH AND TEAM OF 3-5 STUDENTS**

► **STEP 2: REGISTER A TEAM**

Have a teacher/coach fill out the google survey to start the registration process. Use the link below:

- **CHALLENGE OPTION ONE**
- **CHALLENGE OPTION TWO**
- **CHALLENGE OPTION THREE**
- **ENHANCING RANGE AND EFFICIENCY**
- **MAXIMIZING LIFT TO DRAG RATIO**
- **IMPROVING PASSENGER SAFETY & COMFORT**

► **STEP 3: LET THE COMPETITION BEGIN!**

Your team will be provided access to digital resources created by the expert team of judges to gain further understanding of the elements of aircraft design as well as mandatory milestones to guide your progress. Teams will be given the opportunity to ask questions and receive cursory expert feedback as you work through the challenge(s) during the months of August 2025 - February 2026.

► **STEP 4: TAKE IT TO THE NEXT LEVEL**

The maximum number of teams permitted to enter the competition is 25. Each registered team of students must complete their selected challenge(s) in the timeframe provided, including meeting pre-determined waypoints throughout to stay on pace. Each registered team that meets all timeline requirements are invited to carry out a poster presentation in person at the NMUSAF on February 20, 2026. The team members will convene in designated spots with their posters while the expert panel of judges travels from one team to another observing presentations and initiating questions through dialogue with team members. Each presentation will be within 5-7 minutes.

**AIR MASTERTM COMPETITION DAY
FEBRUARY 20, 2026**

NATIONAL MUSEUM OF THE UNITED STATES AIR FORCE



QUESTIONS? REACH OUT TO US TODAY!

- phone: 937-304-5264
- email: info@aircampusa.org
- website: <https://aircampusa.org>