

TANGOFLIGHT



Where STEM Education Soars

Bassick High School
Bridgeport, CT

The 2023-2024 Program

- Students at Bassick High School are completing their first 2 seat FAA certified airplane this year and starting a second aircraft
- They'll develop technical skills and learn about aviation in the most exciting educational curriculum possible
- The program is fully funded
- We need adult mentors to assist with the build and provide guidance to students



The Program

- Tango Flight partnered with Wichita State University and Airbus Foundation to develop a dual credit curriculum that gives students a broad base of knowledge and introduction to:
 - Aviation
 - Engineering
 - A&P Training
 - Internships



Why?

- To introduce students to the aviation industry and STEM
- By 2038 the industry will need:
 - 112,000 new pilots
 - 118,000 new technicians
- To provide alternative career paths for students outside of aviation including engineering and skilled trades
- To learn in a fun and challenging environment

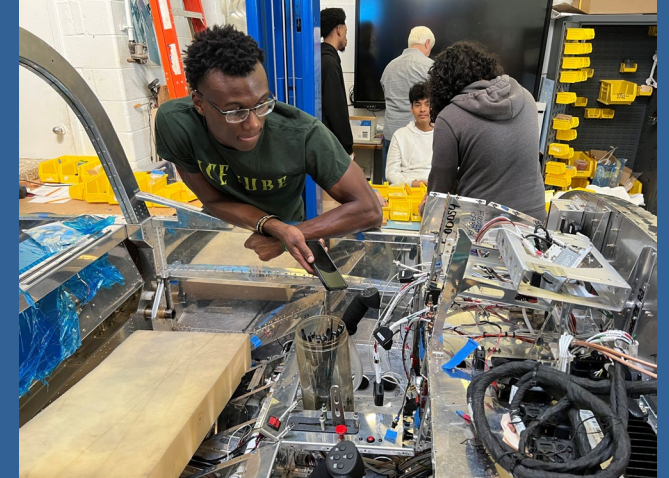
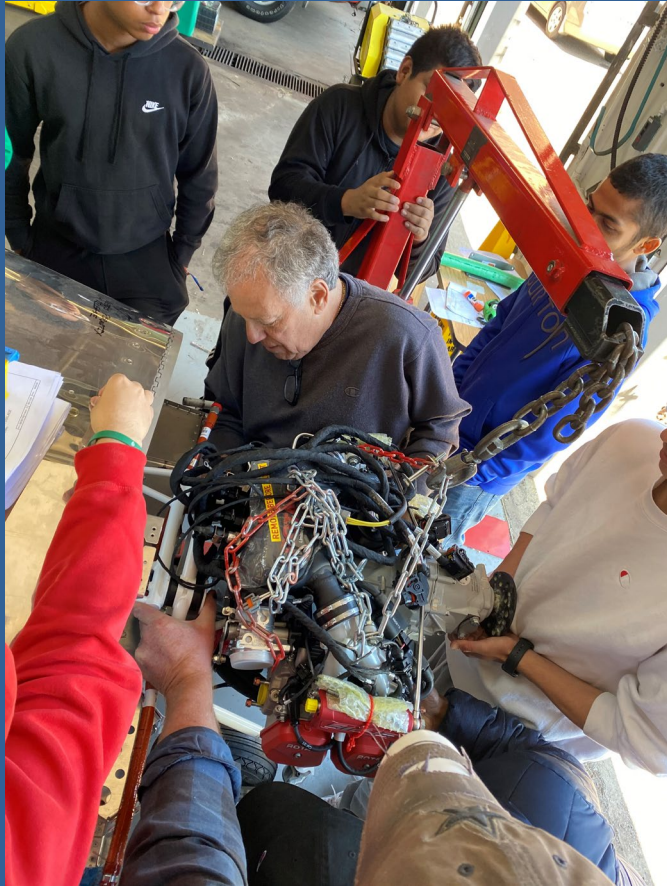


Tango Flight Provides

- Aircraft parts to complete build
- Curriculum
- First flight and Phase I fly off
- Mentor identification and training
- Labs and tools setup and organization
- Comprehensive liability and flight insurance
- Build assistance, scope and flow



Mentorship is the Key to Success!



Mentor Program

- Mentors are needed to provide supervision and guidance to students
- Mentors with any of the follow experiences are needed:
 - Mechanically inclined individuals
 - Mechanics
 - Pilots
 - Aviation Technicians
 - Aviation Management
 - Engineers
 - QC & QA Inspectors



Mentor Program

- The program runs Monday to Friday, from 12:30pm to 1:55pm while school is in session, with students able to stay after class at their option.
- We ask mentors to volunteer one day per week for continuity.



Tango Provides

- Applied Learning
- Hands-on Program
- Skillset Training



Exposure to Opportunities in Aviation



Program Locations

- Alabama
 - Gulf Shores High School
 - B.C. Rain High School
- Alaska
 - Wasilla High School
- California
 - AeroSTEM Academy
- Connecticut
 - Bassick High School
- Georgia
 - Carver STEAM Academy
- Kansas
 - North High School
 - Maize High School
- Nebraska
 - Grand Island
- New Hampshire
 - Manchester School of Technology
- North Carolina
 - First Flight High School
 - Career Center Winston/Salem-Forsyth County Schools
- Oklahoma
 - Sequoya High School
 - Pryor High School
 - McAlester High School
- Tennessee
 - Greene Technology Center
 - Cleveland High School TN
- Texas
 - Texas Leadership Charter Academy
 - Texarkana High School
 - Sealy High School
 - Porter High School
 - Navasota High School
 - Jarrell High School
 - Flour Bluff High School
 - East View High School
 - Cleveland High School TX
 - China Spring High School
- Virginia
 - Massanutten Technical Center



Transforming lives through mentorship and building planes.

Common Questions

- Is this a real airplane?
- Is the plane safe?
- Will students get to fly the airplane they build?
- How hard is it to build the RV-12iS?
- Does a mentor have to be an A&P or Maintenance Technician to volunteer?
- Is there an application form and background check?



Is this a real airplane?

- Yes, the Vans RV-12iS is a real airplane in the Light Sports Aircraft (LSA) category that is FAA certified
- It is one of the most popular homebuilt aircraft



Is the airplane safe?

- Every aspect of aviation starts with a total focus on safety-- which is part of the culture we establish in the program
- Yes, the RV-12iS has an excellent safety record



Will the students get to fly in the airplane they build?

- Yes, each student will have the opportunity to fly in the airplane they build



How hard is it to build the RV-12iS?

- The RV-12iS is considered one of the most straightforward kits designed for first time home builders
- However, it takes patience and attention to detail
- You can learn more about Vans Aircraft and the RV-12iS at: <https://www.vansaircraft.com/RV-12iS/>



Does a mentor have to be an A&P or Maintenance Technician to volunteer?

- No, we have mentors with varied backgrounds. Most have never built an aircraft
- Most important skill is being able to encourage students and helping read directions
- The students are to do the building



Is there an application form and background check?

- Yes, there are 2 forms you will have to complete.



Contact and Links

- Contact:
 - first@firstaviation.com
 - 203.291.3300
- Full academic calendar:
<https://www.bridgeportedu.net/Page/16868>
- August 29 – first day of school
- Learn more about Tango Flight:
<https://www.tangoflight.org/>



Completed Van's RV-12iS N217TF

