



Where STEM Education Soars

Bassick High School

Bridgeport, CT

The Program

- Students at Bassick High School will build and fly a two-seat airplane over the course of a school year.
- They'll develop technical skills and learn about aviation in the most exciting educational curriculum possible.
- The program is fully funded and ready for Fall 2020.



Transforming lives through mentorship and building planes.

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 an introduction to:
 - Aviation
 - Engineering
 - A&P Training
 - Internships



Why?

- To introduce students to the aviation industry.
- By 2038 the industry will need:
 - 112,000 new pilots
 - 118,000 new technicians



MachPointOneAviation.com

Tango Flight Provides

- Airplane ownership
- First flight and Phase I fly off
- Mentor identification and training
- Labs and tools setup and organization
- Comprehensive liability and flight insurance
- Mitigation of liability risks
- Build assistance, scope and flow
- National standards based dual and credit curriculum



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Program Locations

- Bridgeport, CT- Starting Fall 2020
- Georgetown, TX – Started 2016, 3 completed Airplanes
- Maize #266, KS – Started 2017, 2 completed Airplanes
- Maize #259, KS – Starting Fall 2020
- Atlanta, GA – Started October 2019
- Yuba City, CA – Started 2020
- Manchester, NH – Started September 2019
- Mobile, AL – Started Spring 2018
- Naples, FL – Started Spring 2019
- New Caney, TX – Started Fall 2020



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Mentorship



Mentor Program

- Mentors are needed to provide supervision and guidance to students and is a critical part of making the program successful
- Mentors with any of the follow experiences are needed:
 - Mechanics
 - Pilots
 - Aviation Technicians
 - Aviation Management
 - Engineers
 - QC Inspectors

Mentor Program

- The program runs Monday to Friday, from 11:15am to 1:00pm with students able to stay after class at their option.
- We ask mentors to volunteer one day per week for continuity.
- There will be a mentor training weekend in August that will orient mentors to the program and let them have hands on demonstrations.

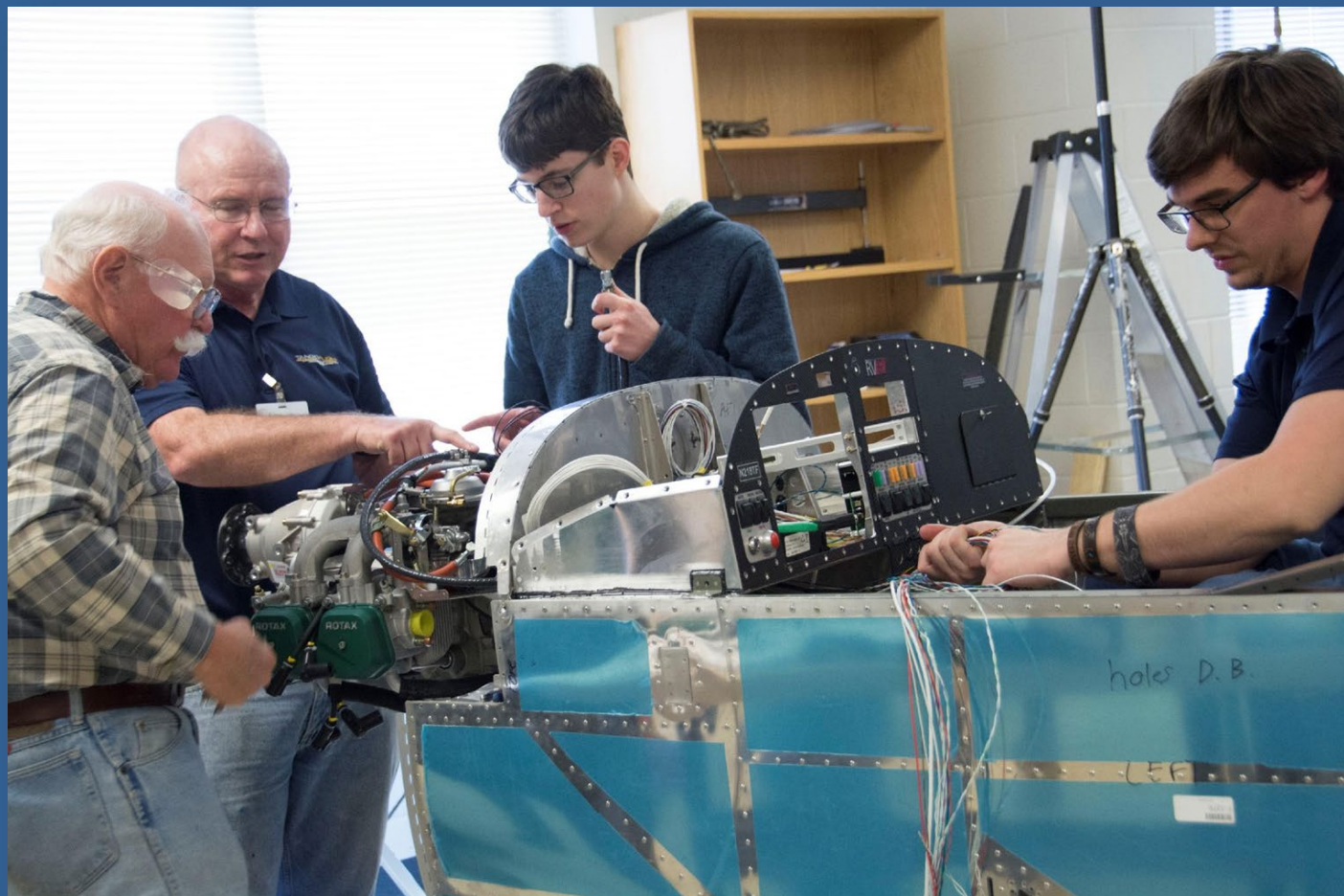
Applied Learning



Hands-on



Skillset Training



Common Questions

- Will students be back in the classroom this fall?
- Can the program work with distance learning?
- 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?
- How many mentors are needed?
- Is there an application form and background check?
- Who do I contact to volunteer to be a mentor or if I have more questions?



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Will students be back in the classroom this fall?

- Governor Ned Lamont and Education Commissioner Miguel Cardona announced details of the framework to allow all students – in all school districts statewide – the opportunity to have access to in-school, full-time instruction at the beginning of the 2020-21 academic year, as long as public health data continues to support this model.
- More details on the plan can be found here: <https://portal.ct.gov/Office-of-the-Governor/News/Press-Releases/2020/06-2020/Governor-Lamont-Announces-Plans-for-the-2020-21-School-Year-Amid-the-Ongoing-COVID19-Pandemic>
- September 1 – first day of school
- Full academic calendar can be found here: https://www.bridgeportedu.net/cms/lib/CT02210097/Centricity/Domain/8/SCHOOL_Year_CALENDAR_2020-2021.pdf



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Can the program work with distance learning?

- This is a hands-on program and we don't believe that it can be successful on a remote basis.
- If school is cancelled, Tango Flight will have to be postponed.



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Is this a real airplane?

- Yes, the Vans RV-12is is a real airplane in the Light Sports Aircraft (LSA) category that meets the FAA requirements for instruction.

Is the airplane safe?

- Every aspect of aviation starts with a total focus on safety-- which is part of the culture we'll be instilling in students.
- Yes, the RV-12 has an excellent safety record.



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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.



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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.
- 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 will have mentors of all different backgrounds.
- Most important skill is being able to encourage students and helping read directions.
- The students are to do the building.

How many mentors are needed?

- Ideally, we'd like 15 mentors that can volunteer one day per week from 11:15am to 1:00pm.



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Is there an application form and background check?

- We will have an application form shortly.
- In the meantime contact Joy Karageorge at jkarageorge@firstaviation.com
- We are waiting to hear from the HR department of the Board of Education.

Who do I contact to volunteer to be a mentor or if I have more questions?

- Contact: Joy Karageorge at First Aviation Services Inc.
- jkarageorge@firstaviation.com
- 203.291.7709



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Completed Van's RV-12 N217TF

