

2018-2019 Meeting Dates

Meeting Dates at Alexandria Field (N85)

September 20 – Thursday 7-8:30

Planning Mtg. - Advisors, Board, and Content Experts

October 18 – Thursday 7-8:30

November 15 – Thursday, 7-8:30

December 13 – Thursday, 7-8:30

January 17 – Thursday, 7-8:30

February 21 – Thursday, 7-8:30

March 21 – Thursday, 7-8:30

April 18 – Thursday, 7-8:30

May 16 – Thursday, 7-8:30

June 20 – Thursday, 7-8:30 (Showcase)

Summer Cleared For Takeoff Camp will be outreach one-day sessions using our club members to assist in teaching. A grant funded project.

Projects: this year include use of the of DYNAMITE room along with single topic presentations during the monthly meetings –some topics extend over the year.



N85 Aerospace Club has no *membership fee*, however some trips/projects materials may have a cost. The Club is open to all interested in discovery, new learning, adventure, and planning their future.

Club Advisors

Linda F. Castner

Co-Owner/Operator/Pilot
Alexandria Field Airport
upupaway@embarqmail.com

Prof. Jon Wallace

Lafayette College /Engineering/Private Pilot

Bill Shay

Pilot/ Aviation Enthusiast/ Aircraft Owner

Orville Williamson

Teacher/ Aircraft Builder-Owner/ Pilot

Ass't Prof. Ronke Olabisi

Rutgers University /Engineering

Bob Gower

Engineer Air Products/Private Pilot

Tim McKinnon

NHRHS collaboration

Honorary Advisor: Terry Hart

Astronaut and Professor
Lehigh University

Content Experts

Tucker Gott, John Weigele, Frederick Slapa,
Blake Schuette, Andy Phillips, Miranda Evarts,
and the Lafayette College Aviation Club

Student Management Board

Shawn Sheng (RU), Nick Brunetti (HCRHS), Zach Ferreira
(HCRHS), David McKinnon (NHRHS), Katie Wetter (HCRHS),
and Tyler Patton (ATS)

Join Today!

Just contact any of the advisors above with
your name, phone, and school affiliation

N85 Aerospace Club

...

*go on a quest for new learning
and see what you can discover*

...

STEM through the lens of Aviation



Club meetings take place at
Alexandria Field Airport
on the 3rd Thursday of each
month from **7PM-8:30PM**



70 Airport Road

(63-mailing address)

Pittstown, NJ 08867

(908) 735-0870

Alexandriafield.com/N85aerospaceclub

N85 Aerospace Club

The initial club was formed in 2010 as part of the Garrett A. Morgan Technology and Transportation Education Program (GAMTTEP) grant, it was named the Central Jersey Aviation Education Science Club with a main focus to encourage today's youth to explore Science, Technology, Engineering, and Math (STEM) through the lens of aviation. The club has continued to grow since then. In 2013/2014 the club presented their year's projects at the NJ State Two-Day Aviation Conference at Princeton University and Alexandria Field Airport. In 2014/2015 they renamed themselves the N85 Aerospace Club. In 2016/2017 the club brought the DYNAMITE ROOM to life! In 2017/2018 we had some grant sponsors and upgraded the flight controls in our Dynamite Room.



**Expect to work hard,
learn a lot, and
have even more fun!**



Deep Practice became a theme for our learning: chunk information, repeat physical or cognitive procedures and thoughts slowly, then work until you "feel it". The Talent Code.



Being involved in the club activities has catapulted my daughter into a world of possibilities. Miranda's experience in the club and internship has given her the start-up tools to think about a future in STEM and aviation.

Mr. Max Evarts

The club taught me applicable life lessons for a future career; built friendships around a shared love for flight. N85 is a great example of how aviation can unite a community through a common interest and empower those involved. Myself and the Lafayette College Aviation Club are grateful to be a part of this club and fulfilling our mission.

Barker Carlock, Lafayette College



Small airports like Alexandria Field have been growing pilots since wide-eyed little children sat on the fence to watch yellow tail-draggers take flight. These airports are magical to many beyond the thought of becoming a pilot.

The N85 Aerospace Club stretches the imagination and opens both the art and the science of flight demonstrating how aerodynamics is everywhere in our lives: it exerts its influence in our sports, our modes of transportation, and the buildings we occupy, and even our speech.

The monthly club meetings are structured for "hands on" Maker-Space type projects. Past projects have included: building air foils, gliders and RC planes, as well as, a four-winged dinosaur to fly in a club made wind tunnel; learning about Arduino functions; building Disney kit planes, building and using a 3-D Printer, Chart Art, and much more. The students express what they are interested in learning more about and the club advisors along with the student club directors establish the program for the year.

The airport website www.alexandriafield.com has a section of pages devoted to the N85 Aerospace Club. On these pages are the upcoming Thursday activities as well as special guest speakers and trips to aviation businesses, simulators, towers, museums, colleges, etc. The site also archives past years of club activities in some wonderful photographs and video.

This is a club with a firm belief that actions are worth more than rhetoric. The learning progression is focused on doing and "deep practice". Advisors promote individual research, trial and error and group leadership interaction. Members ages range from middle school through college. All view STEM disciplines through the lens of aviation.

