



## **TRIPHIBIAN AEROSPACE & LEADERSHIP ACADEMY**

### INTRODUCTION TO AVIATION FUNDAMENTALS

Student. Are you fascinated by airplanes and flying? Parents. Do you have a son or daughter who's has an unexplainable fixation on airplanes, and the dream of being a pilot or mechanic? Then this is the course for them.

Currently there is both a pilot and mechanic shortage in the aviation industry. Based on projected growth rates the demand for qualified applicants will continue into the foreseeable future. Whether in commercial, general, or military aviation, there will be satisfying, and well-paying careers available for many years to come.

### AGES

The primary age group are students in the grades 8 – 12. However, we encourage family participation in the form of Father/son/daughter or Mother/son/daughter.

### INSTRUCTORS

The Chief Instructor is Mr. Bo Pennock ([ammocan2019@gmail.com](mailto:ammocan2019@gmail.com))

### COURSE OBJECTIVES

The objective of this course is to introduce interested students to the fundamentals of aviation. During recent semesters our students have studied a wide variety of topics including: aeronautical navigation, electrical wire fabrication and repair, basic aerodynamics, aircraft systems, aircraft design, and aircraft structures.

An additional course objective is to introduce our students to the dress codes, personal conduct, and courtesies of the professional world. Our students learn to confidently speak and interact in a professional environment.

This course is Christ-oriented, we start each class with scripture reading, prayer, and the Pledge of Allegiance.

## AVIATION FUNDAMENTALS PROGRAM

The core of the course is a series of weekly classes that are held in the Executive Terminal Building at the Albert J. Ellis Airport. The classes include topics that introduce our students to the fundamentals of flight and aircraft maintenance. There are both reading and homework assignments that are graded. There is a graded exam at the end of each semester.

Along with the classroom study the course includes field trips to aviation related events and museums where their academic studies can be directly applied. There is nothing like hands on training to make the classroom topics more exciting. Our recent field trips have included; The Aviation Museum of the Carolinas, Mountain Air Cargo Maintenance Facility, Pittsburgh Institute of Aeronautics, and Fly-In's at EAA Chapter 297 in Burgaw.

We have also been able to give each student the opportunity to experience flight by asking local pilots to volunteer their time and take the students flying.

## NO TUITION

There is no tuition for the course. Parents expenses would include the purchase of the required books, and the occasional expense of the ticket and meal for a field trip. Depending upon class size we may ask parents to help provide transportation for students to a field trip.

