

Experimental Aircraft Association

Aeronautical Center of Technology



School programs providing practical application of
Science, Technology, Engineering, and Mathematics
through **Aviation**

Education Partnership

The EAA Chapter 1354 of Greenwood, Indiana has been working with local school corporations for over 10 years. Over 4,500 students have participated in our Young Eagles flight introduction program.

With our new Aeronautical Center of Technology, we now have the opportunity to expand our program. Partnering with the following school corporations and organizations, our project-based learning STEM programs will be open to over **100 students per semester**.



Aeronautical Center Building

The Aeronautical Center of Technology is scheduled to open for classes and pilot training in August of 2020. It will include classrooms, a technology room, STEM room, flight simulator room, and an area for aircraft construction. It will be able to serve 100 students per semester.



Hands-on Learning

High school students will build a real airplane with FAA certified Airframe & Powerplant technicians. The students will learn aerodynamics, teamwork, leadership, and engineering skills. These lessons will lead ambitious students to a career in aviation.



Students building a Vans RV-12



Example of a completed RV-12

STEMPILOT Education

Our STEMPILOT stations teach students practical aviation concepts such as **science, physics, meteorology, trigonometry, geometry, geography, and topography.**



STEMPILOT Room



3-D Printing Wing Design



Technology Room

Advanced Training

Our FAA-approved private pilot program will provide students with a clear pathway to obtaining their pilot certificate before graduating high school.

The Aeronautical Center will be equipped with an advanced training device for our students to practice aviation fundamentals and real-life flying situations.

Through the use of simulators, Young Eagle flights, and the education provided through our program, students will be prepared for the next step in their aviation career.



Young Eagle student in flight training



The Redbird MCX is an FAA-approved Advanced Training Device used by Indiana State University and several other aviation universities across the United States.

Instruction Resources

The Aeronautical Center of Technology's Elite Private Pilot Program will have a dedicated aircraft and FAA-certified flight instructors. This ensures that students will have the necessary resources and equipment to complete the program.

We will utilize a Light Sport Aircraft as pictured below, which has low operating costs. This will reduce the total cost of training for the students.

Our instructors are former airline and military pilots dedicated to our Young Eagles Flight program. They have many years of aviation experience and are eager to help create the future of aviation through our program.



Creating the Future of Aviation

The nationwide aviation workforce shortage is reaching a critical stage, and the demand for qualified professionals is at an all time high. A large percentage of the current pilot workforce will be retiring very soon due to the FAA mandated retirement age of 65. The FAA estimates the need for commercial airline pilots will increase by six percent over the next ten years. Our education program is ready to meet this demand.

At the Aeronautical Center of Technology we are committed to creating the future of aviation. With your support we will provide opportunities for young students to become confident aviation professionals. It is up to us to continue the progress aviation has brought to everyone, and our program is ready to take flight.



YOUNG EAGLES



AERONAUTICAL CENTER OF TECHNOLOGY

