



WinnAero News

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Welcome to WinnAero

WinnAero has had a pretty active summer. In the pages that follow, you'll read about ACE Academy 2012, teacher workshops, receive an update on the Cessna raffle and a few other articles that may be of interest. The inaugural edition of our newsletter has some great information about us, who we are and what we hope to accomplish. If you missed that newsletter, let us know and we can email a copy to you. If you have questions or require additional information, please visit our web site at www.winnaero.org.

Fundraising: Cessna Drawing Date Postponed

As many of you know, we will soon raffle a 1966 Cessna 172G aircraft. The intent of this raffle is to help fund our education and aviation career awareness mission. Due to our late start publicizing the event, it soon became clear that we would not sell the required number of tickets to be successful. Because of that, the Board has decided to postpone the date of the raffle until January 5, 2013, subject to there being no further extensions. Raffle tickets for this aircraft are \$50. A maximum of 2500 tickets will be sold. The new owner will also receive a check for \$1200 which could be used for flight lessons or anything else. A recent appeal to current ticket holders along with additional advertising has really increased interest and boosted ticket sales. With your help, we should soon meet our goal. For more information, please visit www.winnaero.org.

Events Calendar

October 20	Teacher Workshop NASA Glovebox
November 4	LAA Tour during NHSTA fall conference
December 1	Teacher Workshop CAP AEX
January 5	Cessna Raffle



Cessna 172G
to be raffled
on 1/5/12



Wolf Aviation Fund

For Additional Information, contact

Bill Seed, WinnAero Management and Future Plans, billseed@winnaero.org
Dan Caron, Educational Activities, dwcaron@hotmail.com
Diane Cooper, Laconia Airport Manager, laa@metrocast.net
Duke Kline, Educational Activities dklinesnh@gmail.com
Bob McCulla, EAA Liaison, Fund Raising, sundown@metrocast.net
Bill Moran, NH CAP Liaison, moran@metrocast.net
Don Morrissey, Treasurer and Public Affairs, mordonsan@aol.com
Vlad Vascak, Web Master, www.winnaero.org

Student Activities

ACE Academy 2012: Once again, ACE Academy was deemed to be a phenomenal success. A quick comparison between last year and this demonstrates the growth in the program.

2011	2012
9 students	20 students
2 instructors	3 instructors
1 EAA flight instructor	4 EAA flight instructors

Realizing that we may have returning students from 2011, we added new activities to the schedule. The **NH National Guard** visited us one morning in a Blackhawk, and new tours were arranged with **Manchester/Boston Regional Airport, PlaneSense Fractional Ownership Program and C&R Helicopters**. Three new speakers were also added to the schedule: **Mary Build (Naples Seaplane Services)**, meteorologist **Russ Hobby** and retired flight attendant **Jeannie Selig**. These new program elements along with returning presenters made this ACE as memorable as the first for our three returning alumni. Individuals and groups assisting this year are listed on the “Supporters” page of this newsletter.

Presenting our ACE Academy Class of 2012:



ACE 2012: Instructors: Kathy Maoratty, Christine Landry, Dan Caron; and students: Kaleb Brown, Drouin Brulotte, Ryan Capozzi, Ethan Cray, Seth Decato, Dave Delahunty, Brendan Drew, Ryan Dubois, Anjana Dulal, Champa Dulal, Chase Laventure, Codey Lesnewski, Dylan Lines, Wyatt Moaratty, Matthew Niskala, Justin Thomas, Andrew Trimper, Mack (Max) White, Henry Wierda, Riley Williams

Teacher Professional Development

Aviation Basics Workshop: One teacher workshop was held this past summer, titled Aviation Basics. Since only two teachers had registered for this session, (**Christine Landry** and **Paul Gelin**as from Salem’s Woodbury Middle School), the instructors quickly added a flight around Lake Winnepesaukee and gave each teacher an opportunity to take control. Along with their flight lesson, the teachers participated in a pre-flight, experimented with the forces of flight using AeroLab and discovered some grant resources to help fund their programs.

Fall Sessions Offered: WinnAero is offering two teacher workshop sessions this fall that are appropriate for K-12 teachers. The first is “**Constructing and Using a NASA Glovebox**,” while the second is the “**Civil Air Patrol’s**



Bob McCulla teaches navigation skills to 2 ACE students



NH National Guard Blackhawk visit during ACE Academy



Two 2011 alumni back for more in 2012



Flying the simulator at PlaneSense Fractional Ownership Program



Pre-flight with lead EAA instructor Gena Adams

AEX Program.” Registration information for both sessions can be found on the web site at <http://www.winnaero.org/education.html>.

NASA uses gloveboxes for scientific experiments on earth as well as in space. Using a standard ten ream paper carton, teachers will construct their own glovebox to take back to the classroom. Teachers will also be given the opportunity to use their glovebox in a simulated scientific investigation.

The Civil Air Patrol's Aerospace Excellence Program is the perfect way for a teacher, new to aerospace activities, to introduce aviation and space to her students. The CAP provides books full of activities with thorough instructions and materials lists. At the conclusion of the program, each student receives a certificate and the class receives a plaque to display in the classroom.

NHSTA Conference, Laconia Airport Tour: The **NH Science Teachers Association** is meeting in Meredith for their Fall Conference and **Laconia Airport, Sky Bright Aviation, WinnAero, and the Civil Air Patrol** are participating! The intent of this tour is to encourage NH science teachers to contact and utilize the expertise of the aviation community in their local school districts. The teachers will learn about the management of a General Aviation Airport from manager **Diane Cooper** and the operation of a FBO from Sky Bright Aviation owner **Lee Avery**. They will also be briefed on the activities of the Civil Air Patrol and WinnAero activities. Registration for this activity is through the NHSTA Fall Conference.

AvEd School and Organization Collaborations

BSA Merit Badge Counselors: Two of our Board members are registered with the **Daniel Webster Council, Boy Scouts of America** as merit badge counselors for the **Aviation** and the **Space Exploration** merit badges. **Bill Seed** (Aviation) and **Dan Caron** (Space Exploration) are available to work with scouts to help them achieve these badges.

Huot Career & Technical Center:

WinnAero President, Bill Seed, participated in an Extended Learning Opportunities (ELO) program at Laconia High School. He worked with Robbie Vachon, a senior, the engineering club, and school staff members. Robbie's project was to design and build a solar powered, propeller driven, model aircraft. He is currently enrolled at the US Naval Academy and wants to be an aeronautical engineer. Robbie said the ELO project was included in his application to the Academy and helped get him accepted.

Bedford High School:

Plans are in the works for a repeat of the Intersession program with Bedford HS again in 2013. WinnAero purchased a number of X Plane seats to use during ACE Academy and these will be used in the lab at BHS during Intersession. The field trips to Laconia Airport and Manchester/Boston ATC Tower will be scheduled as well. Back at school, students will complete CAP AEX activities so all students will qualify for a CAP AEX certificate.

EAA

The **Experimental Aircraft Association, Laconia Chapter #1516** has been active with their “Young Eagles” program. Through EAA and Young Eagles, 45 students have flown in the last year and a half. In addition, the chapter has signed up to do the newly introduced “Eagle” program. It is similar to the Young Eagles but for




This plane will fly better than all the others...it's mine!



Stop winding just before the rubber band breaks...



Gena Adams instructs teachers during a pre-flight



adults. The focus is toward adults who have expressed an interest in aviation for pleasure or possible business use. Interested adults should contact Bob McCulla, sundown@metrocast.net, for more details.

Best of Luck to Gena Adams

WinnAero would like to express its heartfelt thanks to Gena Adams for her assistance with student and teacher programs the last 2 years. Whenever we came up with a crazy idea involving educational programs her response was always a big smile followed by, “What do you want me to do?” Gena accepted a position with the FAA and started her new career in August. We’ll miss you, Gena!

Donations: Time, In-Kind, Money

Our plans are great and our board has more ideas than we can execute without additional assistance. Some areas where we could use help include: teacher professional development, publicity, fund raising, and planning student activities. If you or your organization wish to be a part of this grand adventure, please contact Bill Seed at bill-seed@winnaero.org.

NH Aviation History Laconia’s Airport.....The Early Days

A single gravel strip located off North Main Street in what is now the Blueberry Lane area of the City. That was the Laconia Airport in 1939.

Realizing that the growing city needed a better airfield, a Citizens Committee, with support from the Civil Aeronautics Administration, met with the Laconia City Council and Mayor to discuss enlarging the airport. With space limited at the current site, the City and the County jointly decided to purchase parcels of land in nearby



View of Laconia Airport from the south. Lake Winnepesaukee is at the top of the photo. The runway is visible in the center and farm fields in the foreground.

Photo courtesy of Bill Moran.



Gilford and commence building the new Laconia Airport. The original purpose of the project was to provide the city of Laconia and the Lakes Region with an updated public use airport. Before work began, however, the Civil Aeronautics Board of the US Department of Commerce declared the development of Laconia Municipal Airport as necessary for national defense. This opened the door for a combination of federal and local funds to build the airport with construction beginning in January 1941 as a Works Progress Administration (WPA) Project. When completed, Laconia Municipal Airport became the property of the City of Laconia and Belknap County. Thus began the evolution of the Laconia Airport; from a single gravel strip to a more modern hard surface runway with a terminal building, maintenance facilities and ramp parking. All because a group of concerned citizens chose to get involved.

Note: The original Laconia Airport located off North Main Street was operated by Belknap County as a county facility. Recognizing that a larger airport was necessary, the City of Laconia and Belknap County secured land in Gilford and began construction of the new Laconia Airport with financial help from the federal government. Ultimately, Belknap County relinquished its share of ownership to the City of Laconia which continues to own and operate Laconia Municipal Airport today.

Editor's note: with thanks to the writers of the Laconia Municipal Airport Master Plan, May 2003 prepared by Hoyle, Tanner and Associates, Inc., and Steven J. Smith and Associates, Inc.

Some of our supporters who have assisted with our activities...



**Aviation Association of New Hampshire
Diane K. Kline Memorial Scholarship Fund
Gunstock Mountain Resort
Hyslop and Associates**

