

BLAINE AIRPORT PROMOTION GROUP

Taking Your Ambitions Skyward

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THE EDUCATION COORDINATOR

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Boomerang use has had several origins for thousands of years throughout the world.

The boomerang, as known today is a rotating flat wing but it had several uses as a hunting tool and weapon. The design of a returning boomerang consists of two wings connected at an angle. The airfoil, when thrown forward in a vertical spin will gain lift by spinning around its center axis. During flight, the two wings experience different amounts of lift. As the leading wing enters undisturbed air it experiences very stable movement but then the following wing enters air disturbed created by the leading wing. The airfoil remains stabilized during flight by spinning but the different forces cause the flight path to curve and the airfoil returns to the point of origin.

Airfoil concepts similar to the boomerang or vertical flight came from China around 400BC where children played with bamboo flying toys. Published ideas inherent to rotary wing aircraft were circulated during the 4th-century AD.

Numerous attempts were made for un-tethered rotary flights sense 1906. During WWII Igor Sikorsky produced the first large-scale mass produced helicopter supplying over 400 before the end of the war.

Retrospectively we can gain insight into the world around us. There are a number of historical items that have very strong visual appeal that can tell a story. Visually we can bring a three dimensional view to the learning process. Items that can not be handled in the classroom setting; only imagined.



1

1 Charles Lindbergh's
Helmet



2

2 Anne Lindbergh's
Radio Manual



3

3 Charles Lindbergh's
Flying Suit



4

4 Amelia Earhart's
Goggles

5

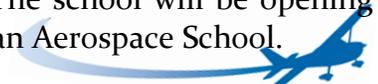
5 Amelia Earhart's
Lockheed Vega



It has been our mission during the summer months to attract schools and administrators to what we can offer to their program to teach students by providing a different dimension and view point away from the classroom setting.

During the school year we will be looking to bring small groups of students to a central location for special lessons in Aerospace. The lessons will be relating to the schools curricula for that same time period. It will give students the airport experience

with specialized lessons. We will be asking for help to make this program a means to provide teaching of a variety of subjects by personnel that are knowledgeable and can spare a 20 or 30 minute session with students. One of the schools we will be working with is the University Magnet School located a few minutes away from the airport in Blaine, Minnesota. The school will be opening on September 9, 2011 as an Aerospace School.



DISTRICT 11 DISCOVER U STUDENTS LEARN

On July 13, 2011 we opened classes at Key Air with the able assistance of the Civil Air Patrol Cadets and Staff Personnel providing several teaching sessions that included: drug/substance abuse, navigation, landing equipment, ground control, tower direction, weather, air foils, parts of a plane, airport signs/markers, and chart reading. We also provided a similar program on June 23rd for Rosemont District 196 with 180 3rd grade students. We are grateful for support of the businesses that provide facilities and for the walk around visits that have been so important for making the students welcome and well informed.

We have had small groups as well that have enjoyed special tours and planed events during the summer school programs.

University District 11 Magnet School will be opening as an Aerospace School on September 9th. We have met with Amy Oliver to get a program of support and initiate lessons in aeronautics that will match the school curricula of Aeronautics. The Blaine Airport Promotion Group will be represented at the school.



District 11 Discover U seventh-grade students get ready to take their July 13 Golden Wings Museum tour with Craig Schiller, site director. Pictured is a Ford Tri-Motor passenger plane from the 1930s. Photos by Tim Hennagir

By Tim Hennagir
Life Editor

Aviation education and history were the field trip topics for a group of 100 District 11 seventh-grade students during their July 13 tour around the Anoka County-Blaine Airport.

Discover U Camp is a summer opportunity that's designed to prepare students for advanced classes in middle or high school.

Half-day Discover U classes are held mid-week at Anoka Hennepin middle schools and full-day field

trips on Wednesday.

Last week, Discover U students visited Key Air and the Golden Wings Museum in the morning and were scheduled make afternoon stops at Cirrus Flight Operations, R.C. Avionics, the airport control tower area and Twin Cities Aviation.

During their Golden Wings visit, students listened as tour guides took them on a journey through America's Golden Age of Aviation.

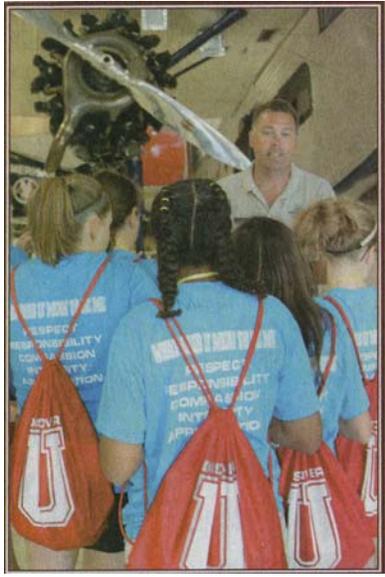
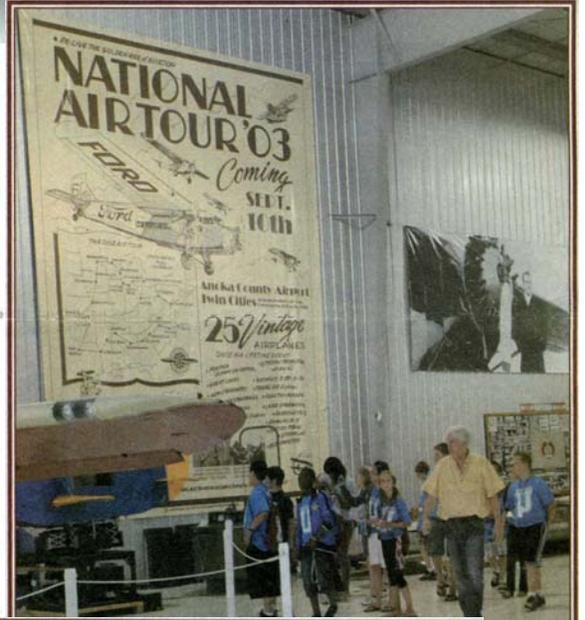
The museum's private collection of 1920s and 1930s-era planes features approximately 30 unique and one-of-a-kind aircraft on display within a modern 45,000 square-foot hangar.

The student visit was organized by the Blaine Airport Promotion Group, a recently formed organization that includes a number of airport-based businesses.

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RIGHT: Greg Herrick, Golden Wings Museum owner, has Discover U students move to the next aircraft exhibit during their July 13 visit. BOTTOM LEFT: Craig Schiller, Golden Wings Museum site director, visits with a group of Discover U students in front of a Ford Tri-Motor airplane during the group's July 13 visit.



LEFT: Harvey Karth, one of the organizers of Blaine Airport Promotion Group, visits with Discover U students during their Golden Wings Museum tour.