



“WACO - Where Learning is Fun” 2011 WACO Learning Center Program

Contact: LCDir@wacoairmuseum.org
or call 937 335-9226 for details and/or tours

APRIL

April 16 Saturday 9-12noon
Rocket Workshop – Youth study, design, build and fly a variety of rockets –offered in conjunction with local CAP unit. Registration Fee: \$20. **OPEN ENROLLMENT** Contact LCDir@wacoairmuseum.org or call 937 335-9226 to register.

MAY

May 1 Sunday 1-3pm (Rain date May 15)
“Wings on Strings” - Youth and their families study, design, build and fly a variety of kites. This program is offered in conjunction with Troy Noon Optimists Club. Free.

May 3-4 Tuesday and Wednesday
The Troy City Schools sixth graders (2 days)
325 sixth grade students – Every student tours WACO facility with our “5 station” program which includes hands-on Rocket and RC aircraft projects and introductions to local aviation history and theory of flight

JUNE

June 11 Saturday 9-12
Radio Controlled (RC) model aircraft workshop – Students spend a half day learning how to build and fly (with a buddy) an RC aircraft. Presented by WACO Barnstormers RC club. Registration Fee: TBD. **OPEN ENROLLMENT** Contact LCDir@wacoairmuseum.org or call 937 335-9226 to register.

June 27 **Aviation Summer Camp** – June 27-July1 9am-3pm daily
Students complete a 5 day course of study which takes them through the history and theory and science of aviation, from lighter than air flight to, manned flight in aircraft to rockets and the space program. Registration Fee: \$230. **OPEN ENROLLMENT** Contact LCDir@wacoairmuseum.org or call 937 335-9226 to register.

JULY

July 8-9-10
WACO Military Experience Event - Various Lecture Series on military history and aviation at 3 day event.

July 18 **Robotics Camp** – July 18-22 7:00-pm-8:30pm daily
Students complete a week long evening series learning how to design, build and control robots. Students may go on to join the **WACO Robotics Team** which through the months of Sep-Dec builds a software controlled Lego robot for competition in December. Registration Fee: \$40. **OPEN ENROLLMENT** Contact LCDir@wacoairmuseum.org or call 937 335-9226 to register.

July 22 **SOAR Educational Outreach** July 22 Friday 9-12noon offered at the Dayton Air Show

July 23-24
Dayton Air Show Educational Outreach. Aviation topics, and hands on building and flying of a model rocket or model aircraft

AUGUST

- Aug 3 Wednesday, 9am-3pm and August 5, 9am-3pm
Road Scholar-Young Eagles – Youth and grandparents spend a day together studying, designing and flying various rockets, model airplanes and lighter than air aircraft. The second day is spent in orientation on real aircraft and discussions with pilots. At their option, the youth may take an orientation flight sponsored under the EAA Young Eagles program. Program presented in conjunction with Road Scholar. ENROLLMENT through Miami County Visitors Bureau, Contact Deann Bechtol dbechtol@woh.rr.com / phone 339-1044.
- Aug 17 Wednesday, 9-12noon
Miami County Fair Outreach Program - Aviation topics, and hands on building and flying of a model rocket or model aircraft

SEPTEMBER

- Sept16-18
WACO Annual Fly-In
- Sept 24 **WACO Barnstormers RC Fly-In**

OCTOBER

- October 4 9am-2:15pm
“Celebration of Powered Flight” Over 500 students experience a day of hands on projects and classroom time reflecting on the Aviation heritage of Ohio and the local region. Presented in conjunction with the National Aviation Heritage Area/Educational Program
- October 7 - 9 daily all day
WACO Boy Scout Aviation Camporee. Scouts spend 3 days camping at historic WACO field, learning and earning aviation related merit badges through discussions with pilots, actual aircraft orientation, building and using models and simulators

See Learning Center Program Registrations pages below.

Registration forms are also available for download at the links on the events page.

WACO Learning Center Programs



Aviation Summer Camp

Dates: June 27 – July 1, 2011, 9 a.m. to 3 p.m. daily

Participants: Grades 5 – 9

Registration Fee: \$ 230, tuition includes 1 year membership to WACO Historical Society. Lunches, drinks, and snacks will be provided.

Description: Students complete a 5 day course of study which takes them through the history and theory and science of aviation, from lighter than air flight to manned flight in aircraft to rockets and the space program. Students will build the following models: gliders, Wright brothers airplane, kites, hot air balloons, paper rockets, rubber band powered airplanes, 2 liter bottle rockets, and boomerangs. Students will also fly a radio-controlled airplane! There is an optional first flight in a full-scale plane. Flight training will be conducted by FAA certified pilots with flight groups composed of three students and one instructor.

Child's Name: _____

Parent's Name: _____

Address: _____

City: _____ **State:** _____ **Zip:** _____

Grade: _____ **School:** _____

Phone: _____ **E-mail Address:** _____

Please make checks payable to WACO Historical Society and mail to:
WACO Aviation Summer Camp
WACO Historical Society
1865 South County Road 25A
Troy, OH 45373

For more information: Contact LCDir@wacoairmuseum.org or call 335-9226

WACO Learning Center Programs



Rocket Workshop

Dates: April 16, 2011, 9 a.m. to 12 noon

Participants: Ages 8-12 plus adult

Registration Fee: \$20

Description: This rocket workshop will teach you how to make your own rockets. Supplies are included in the cost of the workshop. At the conclusion of the workshop, you get to launch your own rocket. Adults must accompany youth.

Child's Name: _____

Parent's Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Age: _____

Phone: _____

E-mail Address: _____

Please make checks payable to WACO Historical Society and mail to:

WACO Rocket Workshop
WACO Historical Society
1865 South County Road 25A
Troy, OH 45373

For more information or questions: Contact LCDir@wacoairmuseum.org or call 335-9226

WACO Learning Center Programs

“Wings on Strings” Family Kite Fly

Date: May 1, 2011

Participants: Youth and their families

Registration Fee: free

To Register: Contact LCDir@wacoairmuseum.org or call 335-9226

Description: Make and fly your own kite activities and kite contest. Prizes are awarded for the kite contest. This event is sponsored by the Troy Noon Optimist Club and WACO Aviation Learning Center.

WACO Learning Center Programs



Junior Robotic Camp

Dates: July 18-22, 2011, 7:00 p.m. to 8:30 p.m. (Tentative)

Participants: Ages 8-14

Registration Fee: \$40, \$35 for WACO members

Description: Using the LEGO MINDSTORMS Technology, LEGO Bricks and other elements such as sensors, motors, and gears, student teams conduct scientific research, then design, build, and test a fully autonomous robot. Then they put their inventions to the test in a friendly challenge designed just for our camp. It's all about team work, creative thinking, problem solving, innovation, engineering, techniques, robots, fun, and LEGO bricks.

Child's Name: _____

Parent's Name: _____

Address: _____

City: _____ **State:** _____ **Zip:** _____

Age: _____

Phone: _____

E-mail Address: _____

Please make checks payable to WACO Historical Society and mail to:

**WACO Junior Robotic Camp
WACO Historical Society
1865 South County Road 25A
Troy, OH 45373**

For more information or questions: [Contact LCDir@wacoairmuseum.org](mailto:LCDir@wacoairmuseum.org) or call 335-9226

WACO Learning Center Programs



Radio Control Aircraft Workshop

Dates: June 11, 2011, 9 a.m. to 12 noon

Participants: Ages 10 - 14 plus adult

Registration Fee: To Be Determined

Description: This RC workshop will teach you how to make your own RC foamy airplanes. Supply list, patterns, and some materials are included. RC simulator training and buddy box flight training with experienced pilot is also included in the workshop. Adult must accompany youth.

Child's Name: _____

Parent's Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Age: _____

Phone: _____

E-mail Address: _____

Please make checks payable to WACO Historical Society and mail to:

WACO RC Aircraft Workshop
WACO Historical Society
1865 South County Road 25A
Troy, OH 45373

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