



The Glenn L. Martin



MARYLAND AVIATION MUSEUM

Cargo Aircraft Engineering Challenge

For Middle & High School Level Educators

Learn to Fly "FREE"

Saturday, 23 January 2010, Glenn L. Martin Aviation Museum
10:00 A.M. - until you fly

Cargo Airplane Challenge for

Science / Tech Ed / Engineering / Math Educators
and - MESA Teacher/Coordinators, Community Program Coordinators,
Civil Air Patrol Aerospace Officers, and Home School Mentors

Bring a Completed Airplane or Build One on Site

All materials provided to build a plane on site

Rules Same as For Student Challenge Except

Performance only, and based on full Weight
Plane must fit in a box 24" X 24" x 24"

Heaviest Plane to Fly a Complete Lap at Least 8" High Wins

Certificates in each of two categories for 1/3, 2/5, 3/7, 4/15+

Field 1 — Airplanes built in advance and brought to the competition

Field 2 — Airplanes built on site the day of competition

Visit www.cargoairplaneLTD.com to find out how to build a plane

Instruction Provided On Site for

Making a Fuselage, Empennage, and Landing Gear
Wing Geometry — Planform, Chord, Span, Area, Aspect Ratio
Basic and Intermediate Airfoils
Powering and Testing Your Airplane

Again, you can make a plane in advance or JUST SHOW UP – FREE!

Register to attend workshop by sending email to: paulwiedorn@verizon.net

Sponsor: Glen L. Martin Maryland Aviation Museum &
American Institute of Aeronautics and Astronautics (Baltimore Section)
Museum: 410-682-6122 or email - contact@marylandaviationmuseum.org

Contact: Paul Wiedorn – paulwiedorn@verizon.net
Tom Milnes - thomas.milnes@jhuapl.edu

Engineering Challenges Registration: <http://www.thebmi.org/index.cfm/cid/630>