



**CIVIL AIR PATROL PACIFIC REGION
Aerospace Educators
Classroom Activities Workshop**

***Enrollment opportunity to hands-on Aerospace Education classes
June 27 through June 30, 2013***

Students sit in the exceptional classroom facilities at Linfield College in McMinnville providing for a relaxed atmosphere, designed for hands-on activities where a highly skilled and experienced instructor will mentor you. The weekend course will provide you the best opportunity to interchange ideas with fellow aerospace educators and learn new techniques for your classroom. The Civil Air Patrol AEX Program is a very popular program provided free to Civil Air Patrol Aerospace Education Officers and Aerospace Education Members. Whether your classroom is in a public school, home school or squadron meeting these hands-on lessons will excite your students while they explore all aspects of aerospace, aviation and space-related activities.

What Do You Get?

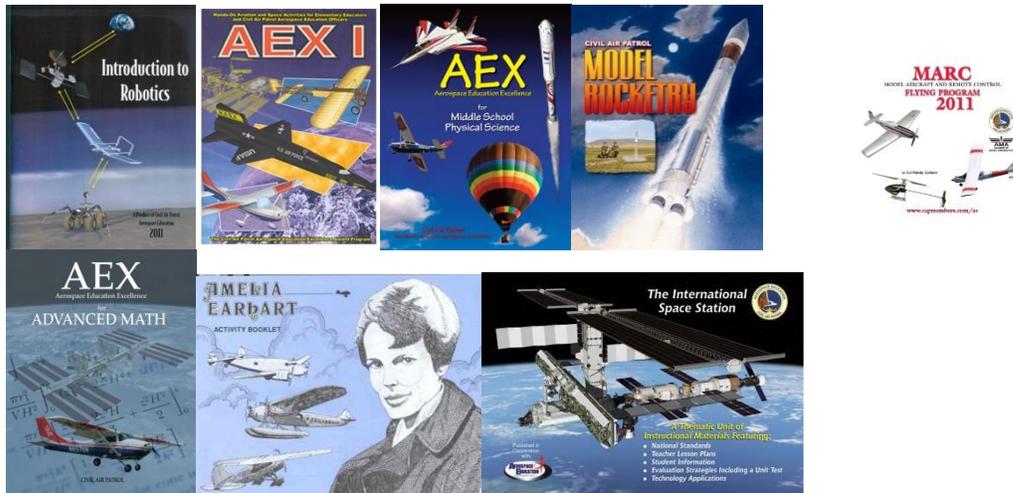
Each student who registers for our hands-on Aerospace Education course will receive electronic access to all of the training materials used during the course. In addition each student will be guided through all of the Aerospace Educational Materials on-line at the Civil Air Patrol Aerospace Education National web site. Every student will also have the opportunity to build a network of experienced and enthusiastic peers to share projects and ask questions from. You will learn who your State Director of Aerospace Education is and how they can assist you in your Squadron, Classroom, or Home School.

All of our hands-on classes will be held on the campus of Linfield College in McMinnville OR. Your personal laptop or Notebook will be used to access the instructional materials to be used during the course.

What is the Classroom Experience Like?

A typical day involves lectures, demos and hands on lab time. Throughout class students are encouraged to ask questions and bring real world experiences to the instructor. Each lecture is filled with instructor led demos so students can see what is being presented in action. At the completion of each lecture, students are given ample time to complete a step-by-step hands-on lab.

What Types of Classes do We Offer?



The full-color books and bonus packets feature national STEM standards-based aerospace hands-on activities. The activities are designed to fit into any curriculum.

1. *Is Bernoulli's principle worth 2 cents?*
 - a. *Get a Lift Air and Angles*
2. *Harriet Quimby – first lady of Aerospace*
3. *Amelia Earhart – Envelope Packet*
 - a. *How not to get lost Map reading and math*
4. *Hot Air Balloons*
 - a. *Wind Tunnel – testing designs*
5. *Scott Crossfield's X-15*
 - a. *FLINGSHOT*
6. *Vector Variants*
7. *Robotics*
 - a. *Arm & End Effector*
 - b. *Robot Hand*
 - c. *Strong Arm Tactics*
8. *Robot Factory*
9. *Can a Robot Tie Your Shoes*
10. *Uncle Wiggly Wings*

11. Parachutes
 - a. Stomp a Rocket
12. Lost on the Moon
 - a. NASA /JPL Version
13. Model Rocketry
14. Altitude Tracking
 - a. Mathematically Tracking a model Rocket
15. Aerospace Jeopardy
16. Software Program
 - a. Capters
 - b. American Model Aircraft Association

Education Doesn't Stop in the Classroom!

Each student who registers for our hands-on Aerospace Education course will get have a multi-hour tour of the Evergreen Aviation and Space Museum including a guided tour of behind the scenes activities ending this field trip with a movie at Oregon's newest IMAX theatre.

Register Now for this Exceptional Opportunity!

June 27, 28, 29 and 30, 2013

Linfield College , McMinnville Oregon

Check in will start June 26th, last class will end 1:00PM June 30th

To receive all of the above classroom materials, field trip and educational opportunities submit \$60.00 with your registration form.

If you wish to stay on campus the housing cost is \$35.00 per night per person for a private bedroom shared apartment.

Disclaimer: We are working on continuing education credits, through one or more resources, however these credits have not yet been approved and if they are there may be an additional fee to receive these continuing education credits.

Upon receipt of your registration you will receive a confirmation number and details on when and where to check into your accommodations and the classroom.

CAP ACTIVE MEMBERS COMPLETE A CAPFORM 17

CAP ACTIVE MEMBERS AND AEM's COMPLETE THE COURSE QUESTIONNAIRE

CAP ACTIVE MEMBERS AND AEM's COMPLETE CAPFORM 60-1

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