



AEO PICAYUNE



THE AEROSPACE EDUCATION DIRECTORATE'S NEWSLETTER

VOL. 2 | U.S. AIR FORCE AUXILIARY – CIVIL AIR PATROL – NORTH CENTRAL REGION – MISSOURI WING | NO. 01

DIRECTORS VECTOR

WELCOME TO 2015!!!



UPCOMING EVENTS

Start Date	End Date	Event	Location
20-Feb-15	22-Feb-15	Aerospace STEM Academy	Ft Leonard Wood
29-May-15	31-May-15	Aerospace STEM Academy	Ft Leonard Wood
13-Jun-15	14-Jun-15	Wings Over Whiteman Airshow (Thunderbirds)	Whiteman AFB
20-Jun-15	28-Jun-15	Missouri Wing Summer Encampment	Ft Leonard Wood
1-Jul-15	8-Jul-15	Model & Remote Controlled Aircraft Academy	Salina, KS

WINGS OVER WHITEMAN 2015 CORRECTED DATES!

Brig Gen Glen VanHerck, Commander, 509th Bomb Wing, just announced there will be an Airshow at Whiteman on **13-14 June 2015!** Headlining is the U.S. Air Force Thunderbirds Demonstration Team. More details to follow.

AGI OFFERS *FREE* STK TRAINING!

STK is a software tool that allows engineers and scientists to design and develop complex dynamic simulations of real-world problems, especially those relating to satellites, spacecraft, and aircraft. Through CAP's partnership with [Analytical Graphics](#), the makers of STK, CAP members are invited to test-fly this state-of-the-art technology.

<http://start.agi.com/>

GET READY FOR OSHKOSH 2015

The 63rd annual convention and fly-in is scheduled for July 20-26 at Wittman Regional Airport in Oshkosh.

AEROSPACE STEM ACADEMY (ASA) NEWS

ASA4 will be 20-22 February 2015. We will be introducing the NARTREK SILVER Advance Model Rocketry Course as well as a Flight Simulator and Astronomy Tracks for Cadets who have soloed in MARC. The new Missouri Wing Drug, Demand, and Reduction (DDR) pedal car demonstration, CAP Orientation Flights, and a tour of Cannon Range are also on tap!

NICHOLAS-BEAZLEY AIRCRAFT COMPANY MUSEUM

A local aviation museum in Marshall that highlights restored aircraft, aviation-related exhibits, and memorabilia. Open Tue-Sat, 1000-1600 Hrs. and also by appointment. Normal admission is \$6 and \$3 for children younger than 12. Group rates if you call ahead: 660-886-2630.

REACH FOR THE STARS

The 9th Annual Reach for the Stars Rocket Competition continues through June 30, 2015. Run your event any time before this date. There is no travel to compete. Only the three national winners need to travel to the national competition at Space Camp/U.S. Space and Rocket Center in Huntsville, Ala. For more information and to receive an estimate of cost, go to www.TheRocketman.net.

YOUNG EAGLES

The EAA Young Eagles program gives interested young people, ages 8 - 17, an opportunity to go flying in a general aviation airplane. These flights are offered free of charge and are made possible through the generosity of EAA member volunteers. [View their schedule](#) for upcoming events in your area.

Young Eagles Report for 2014:
 Total Young Eagles Flown: **1,901,206**
 Young Eagles Flown (YTD): 65,970

Stats current as of December 17, 2014

Rating	Leadership Ribbon	Crossfield Ribbon	Yeager Ribbon	*AE Badge
Technician			**	Basic Badge
Senior	add Bronze Star			add Bronze Star
Master	replace with Silver Star			replace with Gold Star

Please send updates or suggestions to: ae@mowg.cap.gov – Lt Col Bill Sander, DAE

ASA



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When: 20-22 Feb 2014
Where: Ft. Leonard Wood

TRACKS

Model Rocketry – Beginner \$35

Hands-On phases for Redstone and Titan stages of the CAP Model Rocketry Program.

Model Rocketry – Intermediate \$45

Hands-On phases for the Titan and Saturn stages of the CAP Model Rocketry Program.

Model Rocketry – Advanced Bronze - \$90

Advanced Rocketry training using the [NARTREK Rocket Skills Program](#). Cadets that have completed the CAP Model Rocketry Program may apply.

Includes NAR Membership and NARTREK course Fee. Cadets already members of NAR may reduce price to \$65

Model Rocketry – Advanced Silver - \$65

Advanced Rocketry training using the [NARTREK Rocket Skills Program](#). Cadets that have completed Model Rocketry Advanced Bronze may apply.

MARC track – Basic \$50

*Cadets **MUST** have completed the CAP Model Rocketry Program and the Wright Brothers Achievement to attend.*

- Balsa/foam model aircraft construction and test flights
- Real Flight Simulator computer program & hand-held controller
- Wings Aircraft and AeroLab productions
- Academy of Model Aeronautics (AMA) club will provide demonstrations and mentorship in learning to fly real remote-controlled airplanes.

-Limited to 10 cadets

MARC track – Intermediate \$50

*Cadets **MUST** have completed a ASA MARC Track Basic Course, first.*

- Real Flight Simulator computer program & hand-held controller
- Construction and flight of Remote Controlled Aircraft
- Academy of Model Aeronautics (AMA) club will provide demonstrations and mentorship in learning to fly real remote-controlled airplanes.

-Limited to 10 cadets

MARC track – Advanced \$50

*Cadets **MUST** have completed a ASA MARC Track Intermediate Course, first.*

- Construction and flight of complex Remote Controlled Aircraft
- Academy of Model Aeronautics (AMA) club will provide demonstrations and mentorship in learning to fly real remote-controlled airplanes.

-Limited to 10 cadets

Astronomy track – \$30

*Cadets **MUST** have completed the CAP Model Rocketry Program and the Wright Brothers Achievement to attend.*

- Sun (daytime) and stargazing (nighttime) astronomy lessons and activities.

Flight Simulator track – \$30

*Cadets **MUST** have completed the CAP Model Rocketry Program and the Wright Brothers Achievement to attend.*

- Comprised of a Microsoft X-gold flight simulator computer program with accompanying yoke and rudder pedals, cadets will learn and perform flight activities to include using flight planning aeronautical charts and lessons to extend the experiential portion of the flight simulator program.

-Limited to 10 cadets

Staff \$20

Cadets that have completed the CAP Model Rocketry Program and the *Wright Brothers Achievement* may apply for Staff as well as Senior Members who've passed Level 1.

ACCOMMODATIONS

Fort Leonard Wood has barracks and classroom space arranged. Attendees must bring their own linens (Sheet, Mattress sheet, and blanket and/or sleeping bag, pillow, etc.) *MSgt O'Neill will be preparing meals that will in itself, be well worth the trip!*

UNIFORM WEAR

Any authorized uniform combination IAW CAPM 39-1 **MUST** be worn, but BDU's/Utility uniforms preferred.

EXPECTATIONS

Training will be conducted in accordance with CAPR 50-20 *CAP Model Rocketry Program* and the *CAP Model Rocketry Program book*, to include building several models with differing fuel sources, then demonstrate their successful launch, flight, and recovery; and/or *CAP AEX MARC module*. Cadets who are between phases can complete partial tracks and their material fee will be reduced, accordingly. Please identify these cadets upon RSVP. Teams may **arrive after 1800 hrs on Friday to remain overnight. Sign in will begin at 0800 hrs Saturday.** Training will conclude at 1800 hrs on Saturday and reconvene at 0800 hrs on Sunday. Training will conclude and members will demobilize NLT 1600 hrs on Sunday.

All tracks will have instruction in Robotics. CAP Orientation Flights are also planned along with a tour of Cannon Range.

PACKING LIST

See Attached. *Fee includes 2 Breakfasts, 2 Lunches, and 1 Dinner meal.*

CADET SPECIFIC

- Cadets must hold and take their own medication. However, please identify medications to their responsible Senior Member, on the CAPF 163, and attached Medication Form.
- All cadets under the age of 18 must have a CAPF 32 signed by their Unit Commander and Parent/Guardian.
- There will be both male and female Senior Members RON on premises and genders will camp separately.
- Cadets will be assigned to Elements/Flights and may be placed into leadership positions commensurate with their rank.
- Good order and disciplined will be maintained. Horseplay and inappropriate behavior will not be tolerated. Squadron Commanders will be contacted and cadets will not be allowed to graduate for misbehavior and honor code violations. Please remember the core values.**

RSVP - RÉPONDEZ, S'IL VOUS PLAÎT

Please confirm intent to participate through your unit commander or deputy commander for cadets. In turn, unit points of contact please RSVP to Lt Col Sander col121772@gmail.com **AND** Lt Col John O'Neill joneill616@gmail.com to ensure enough resources are available **NLT Thursday, 12 Feb 2015.**

HOW TO PAY

Units paying for their members may do a draft back to Missouri Wing's Aerospace Education Activity account. Members can pay by cash or checks/money orders drafted to: "Missouri Wing Civil Air Patrol."

PREREQUISITES

- Senior members **MUST** have completed Level I
- Cadets **MUST** have completed their **CURRY** Achievement
- Safety All members must be safety current through 28 Feb 2015 in the Safety Management System (SMS).
- Approval must have your Squadron Commander's approval to attend. This will be demonstrated by a CAPF 32 signed by the Squadron Commander or Deputy.

Show Me Excellence!

Aerospace STEM Academy Packing List

UNIFORM ITEMS	QTY	REMARKS
BDU pants	1	
BDU blouse	1	With all insignia
BDU Cover	1	With insignia for officers
Belt (blue webbing with black buckle)	1	
BDU boots	1	
Socks, black	2 pr	
T-shirt, black	2	Crew style, no pocket
PT UNIFORM		
Shorts, blue or black	1	Clean, conservative, not too short
T-shirt, black	1	In addition to above
Sweat pants, running pants, etc	1	Blue or black, conservative
Sweatshirt	1	
Socks, white	2pr	
Shoes, running	1pr	
PERSONAL ITEMS		
		Bring uniform coat (s) if available; otherwise conservative
Light Winter Coat	1	civilian coat is acceptable
Gloves	1 pr	
Underwear	3	
Bras (female cadets)	1	Sports bra recommended
Sleeping Bag or Sheet, Mattress cover, and blanket	1	
Pillow with case	1	
Soap and Shampoo		
Toothbrush and toothpaste		
Deodorant		
Washcloth and towel, shower shoes		Flip flops acceptable
Shaving Cream & Razor (in holder)		If necessary
Clothes Hangar	3	
Feminine Hygiene Products(female cadets)		If necessary
Shoe Polish Kit	1	
CAP notebook, pens or pencils		
Drinks with lids		
Snacks		
PROHIBITED ITEMS		
Weapons of any kind (Knives)		
Alcoholic Beverages		
Illegal Drugs		
Tobacco Products		
Explosives		
Matches/Lighters		

CIVIL AIR PATROL CADET ACTIVITY PERMISSION SLIP

SUGGESTED BEST PRACTICE for LOCAL "WEEKEND" ACTIVITIES:

Announce the activity at least 2 weeks in advance and require participating cadets to sign-up via this form 1 week prior to the event

1. INFORMATION on the PARTICIPATING CADET

Cadet Name:	Cadet Grade:	CAPID:
Unit Charter Number:	Activity Name: ASA4	Activity Date: 20-22 Feb 15

2. INFORMATION about the ACTIVITY

<i>For hotel-based activity or conference</i> Grade & Name of Supervising Senior:	<i>For hotel-based activity or conference.</i> Supervising Senior initial to acknowledge responsibility:
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3. PARENT'S or GUARDIAN'S CONTACT INFORMATION

Parent or Guardian Name:	Relationship to Cadet:	Contact Number on Date(s) of Activity:
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4. OTHER DOCUMENTS REQUIRED to PARTICIPATE

Check those that apply and attach with this form

<input type="checkbox"/> CAPF 31 Application for Special Activity	<input checked="" type="checkbox"/> Other / Special Local Forms (specify)
<input type="checkbox"/> CAPF 160 CAP Member Health History Form	CAPF 32 Civil Air Patrol Cadet Activity Permission Slip
<input checked="" type="checkbox"/> CAPF 163 Provision of Over the Counter Medication	

5. PARENT'S or GUARDIAN'S AUTHORIZATION

Cadets who have reached the age of majority, write "N.A."

I authorize my cadet to participate in the activity described above.	Signature:	Date:
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Disposition: Units may discard this completed form when the activity concludes.

Please detach on the dotted line. The upper portion is for CAP and the lower portion is for the parent's or guardian's reference.

V. HELPFUL INFORMATION for PARENTS & GUARDIANS

To be completed by the cadet with assistance from local leaders or activity hosts

Activity Name: ASA4	Activity Date & Time: 20-22 Feb 2015
Activity Location: Ft Leonard Wood, MO	Activity <input checked="" type="checkbox"/> classroom, tour, light duty <input type="checkbox"/> backcountry
Participation Fee:	Payment Due:
Participation Fee:	Format(s): <input type="checkbox"/> physically rigorous <input checked="" type="checkbox"/> flying
Transportation Provided? <input type="checkbox"/> Yes <input type="checkbox"/> No Extra Fee:	Transportation Rally Point:
"High Adventure"? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, explain:	CAP Point of Contact Name: Lt Col Bill Sander
Meals: <input checked="" type="checkbox"/> Provided <input type="checkbox"/> Bring own food <input type="checkbox"/> Bring money	Emergency Phone: 660-624-9338
Equipment Needed: <input checked="" type="checkbox"/> See website or flier for equipment list	Activity Website: facebook.com/groups/MOWG.ASA
	Estimated Time Returning to Home or Rally Point:

PERMISSION FOR PROVISION OF MINOR CADET OVER-THE-COUNTER MEDICATION

This form may not be usable in some states due to statutes concerning who can administer medications and administration conditions. Wings with such restrictions will publish appropriate additional guidance in a supplement to CAPR 160-1.

Name (<i>Last, First, Middle</i>)	Grade	CAPID	Charter Number
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Over-The Counter/Non-Prescription Medications

The following over-the counter medications may be administered according to package directions by CAP senior members. Cross out any medications not approved.

Acetaminophen (Tylenol) for fever or pain	Visine eye drops for dry, irritated eye relief
Ibuprofen (Advil, Motrin) for fever or pain	Op-Con A eye drops for allergic conjunctivitis
Bacitracin or Neosporin antibiotic ointment to prevent infection	Benadryl liquid/tabs for allergic reactions
Hydrocortisone anti-inflammatory rash cream	Claritin antihistamine for seasonal allergies
Calamine/Caladryl for poison ivy itch relief	Robitussin products for relief of cough and cold symptoms
Antifungal creams and sprays for treatment of fungal rashes	Delsym to suppress cough
	Tums or Maalox for relief of stomach upset

Allergies

My child/ward has the following allergies or reactions to over-the-counter medications (list type of reaction):

Consent For Minor Cadet To Receive Over-The-Counter Medications

My signature below evidences my consent for CAP senior members to provide over-the-counter non-prescription medications (such as those listed above) to my child/ward if indicated in the reasonable judgment of such senior members. I understand that I will be informed if any such medications are administered.

Date	Signature of Parent/Guardian
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Cadet Medication Form

General

In accordance with new policies from Civil Air Patrol National Headquarters (CAPR 160-2), more information must be obtained regarding all medication used by cadets at activities. **Minor cadets must have this form signed by their parents. Cadets 18 and over must still complete the form for submission, but do not need a parent's signature. This form must be brought to the activity and turned into the Medical Officer during in-processing. Cadets not possessing this form will not be allowed to remain.** CAP is not a health care provider, and CAP members are not permitted to act in the role of health care providers during the performance of official CAP duties. Consequently, CAP members are not permitted to function as pharmacists, physicians, nurses, or in any other role that would permit the administration and dispensing of drugs under various federal and state laws and regulations.

Authorized Medications

Any prescription, non prescription, herbal, vitamin, or supplement the cadet will bring to the activity must be listed on this form. If more room is needed, please see the activity site for additional blank forms (each form must be signed). The cadet will be allowed to keep this medication at activity and will be responsible for taking it at the proper times and in the correct dose. While the activity will be aware of all medication, the activity will not have the ability to remind or ensure anyone takes medication. The activity also has no ability to secure medication, though medications that must be refrigerated can be accommodated if the activity is notified ahead of the activity.

Cadets will bring any prescription, non-prescription, or herbal medications on a CAP activity only in the original containers in which the medication was dispensed. Prescription containers must contain the name of the prescribing physician, the name and telephone number of the dispensing pharmacy (if applicable), the name of the recipient of the prescription, and any other applicable dosing instructions. Non-prescription and herbal medications must have dosing instructions specified on the bottle and in the application materials, as well as be labeled with the cadet's name.

Cadets will not share medication at the activity – failure to comply with this rule will lead to discipline up to and including dismissal from the activity.

ACTIVITY Over the Counter (OTC) Medications

During the activity it is possible the cadet will encounter a minor medical concern that cannot be addressed by the medications the cadet brought to the activity. This could be a bug bite, upset stomach, diarrhea, headache, blisters, or other concerns brought on by activities. Non-prescription medications may be given to minor cadets as needed and according to package directions by CAP senior members, and only if permission has been given in writing by the cadet's parent or guardian. A list of the most commonly dispensed over the counter medications is below. Please indicate with an "X" in the space next to the OTC medication if the activity is authorized to give this to your minor cadet, per the package directions, during activity.

Note: The cadet should still bring his/her own OTC products such as the ones below if authorized on the next page. This list is simply to identify what the activity is authorized to dispense. The activity may not have all of these available, so if the cadet knows they will need them they should bring them and indicate as such on the next page.

_____ Motrin / Advil / Ibuprofen	_____ Tums or similar generic	_____ Cough drops
_____ Tylenol / Acetaminophen	_____ Neosporin / antibiotic ointment	_____ Vaseline / Moisturizing cream
_____ Pepto-Bismol or similar generic	_____ Hydrocortisone cream	_____ Visine or similar generic
_____ Aloe Vera products for sunburn	_____ Benadryl or similar generic	_____ Dramamine or similar generic

I authorize the Activity Senior Staff to dispense the checked OTC medications above to my minor

child, _____.

Parent Signature

Date

