

SCOUT STEM/NOVA SUMMIT VI

The Mountain Empire District

Boy Scouts and Webelos Scouts

at

Wytheville Community College

Saturday, February 23, 2019

Alternate Date-Saturday, March 2, 2019

By

Jim Parker, Director

Lillian Gould, Bill Vaughan, Danny Cline

Mountain Empire Staff, Professionals, & Wytheville Community College Staff

STEM/NOVA Overview:

Science, Technology, Engineering, and Mathematics (STEM) are an initiative of The Mountain Empire District in the Blue Ridge Mountains Council. This program encourages the natural curiosity of youth and their sense of wonder about these fields through existing programs. Scouts will enjoy a variety of activities in Merit Badges, NOVA, Activity Pin, and receive recognition for their efforts.

Why STEM and NOVA:

We live in a time of great opportunity. The spirit of innovation can help us overcome challenges and ensure a prosperous and secure future. To seize this opportunity, we must position ourselves at the cutting edge of scientific discovery and technological innovation. Upon earning merit badges that relate to STEM, Boy Scouts can apply what they have learned in their future careers and jobs. By exploring a NOVA module and acquiring an activity pin, Webelos Scouts can become more knowledgeable about the world around them.

Location/Date/Time:

STEM program will be conducted at Wytheville Community College on Saturday, February 23, 2019 from 8:00 a.m. to 5:00 p.m. A request for this place has been submitted to WCC with their approval. Registration will be in Galax Hall starting from 8:00 to 8:30 a.m. with the opening ceremony at 8:30 a.m. The program activities will start at 8:45 a.m. in Galax Hall, Fincastle Hall and Grayson Hall.

Pre-registration/Costs:

Boy Scouts and Webelos Scouts in the Mountain Empire District and other interested scouts in neighboring districts may apply on the attached pre-registration form. Pre-registration is a necessity as it is the only way we can ensure provisions for food and ensure a quality event. All registrations forms need to be forwarded to Jim Parker at 659 Broadway Lane, Hillsville, VA 24343. Jim's cell number is (276)-620-3823 and Email Address: jimparkerva@gmail.com Registrations sent by phone, text, mail or email will receive preferential review in the program as compared to Scouts who are registered on the day of the summit. **Note: There will be a five dollar (\$5) cost per Scout/Scouter for snacks and lunch and can be given during registration.**

Meals:

Lunch (pizza, chips, cookies, & drinks) is provided by the Mountain Empire District. Because these meals are provided, special arrangements will not be able to accommodate specific food allergies or special dietary needs. As a result, if your Scout has a specific dietary need, please plan to provide your own provisions for the afternoon meal and snacks.

Parking:

Parking is on campus between Galax and Smyth Halls. See attached campus map.

Award Activities:

Boy Scouts may earn two merit badges during this summit. Fifteen merit badges are offered: Animation, *Citizenship in the World, *+Communication, Electricity, Engineering, Entrepreneurship, *+Environmental Science, Inventing, Medicine, Nuclear Science, Plant Science, Plumbing, Radio, Space Exploration, and Welding. NOVA—"Swing"—is the newest and most exciting adventure with emphasis in STEM. All Webelos Scouts will explore the wonders of the natural sciences and apply what they have learned in NOVA. They will also have the opportunity to earn the "Forester" Activity Pin. Note: (*) indicates required Eagle Scout merit badges and (+) notes a partial completion with troop. Also, scouts who desire to earn "Welding" merit badge must be 14 years old by January 1st and is limited to 6 scouts.

Mountain Empire District STEM/NOVA VI Summit Program

Time	Event	Host
8:00-8:30 a.m.	Registration (Galax Hall Entrance)	Brian Lowe/Danny Cline
8:30-8:45 a.m.	Opening Ceremony/Program (Galax Hall Rm 202)	J. Parker/B. Vaughan
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8:45 a.m.-12:00 p.m.	Session I (STEM Merit Badges & NOVA)	(3 ¼ hours each)
	<i>Select one</i>	
	Animation (Fin. Rm 217)	Billy Jo Chandler
	*Citizenship in World (Fin. Rm 106)	Jeff Gregory
	Entrepreneurship (Fin. Rm 218)	Nick Fairhurst
	*+Environmental Sci. (Fin Rm 208)	Cindy Kincer
	Inventing (Gr. Rm 219)	Shawn McReynolds
	Medicine (Fin. Rm 217)	Jean Pierce
	Plant Science (Fin. Rm 15)	Crystal Karriker
	Radio (Galax Rm 201)	Randy McKenzie
	<u>NOVA</u> I “Swing” Webelos Scouts (Galax Rm 203)	Chris Flowers
	Note: (*) indicates a required Eagle Scout merit badge (+) indicates partial completion to be done with troop	
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9:30 a.m.-11:00 p.m.	Morning Break (Drinks & Snacks) (Fincastle Hall Snack Bar Rm 129 & Galax Hall Lobby)	J. Parker/B. Lowe/D. Cline
	<u>NOTE:</u> Instructors take restroom breaks anytime and snack breaks anytime during the morning from 9:30 to 11:00 a.m.	

Time	Event	Host
8:45-12:00 a.m.	Scoutmaster Specifics Training (Fin. Rm. 123)	Danny Cline/Ron Huff
12:45-4:15 p.m.	Unit Commissioner Training (Fin. Rm. 123)	Barry Hensley
12:05-12:20 p.m.	Guest Speaker (Galax Hall Rm 202)	Joe Wilkins, Wythe Hosp CEO
12:20-12:45 p.m.	Lunch (Pizza, Chips, Drink, Cookies) (Snack Bar, Fincastle 129)	J. Parker/B. Lowe/D. Cline
12:45-4:15 p.m.	Session II: (STEM Merit Badges <i>Select one</i>	(3 ½ hours each)
	*+Communication (Galax Rm 201)	Randy McKenzie
	Electricity (Fin Rm. 217)	Mark Cantamessa
	Engineering (Fin. Rm. 218)	Bill Vaughan
	*+Environmental Sci. (Fin. Rm 208)	Cindy Kincer
	Nuclear Science (Fin. Rm 211)	Stanley Jones
	Plumbing (Fin. Rm 15)	Brian Karriker
	Space Exploration (Gr. Rm. 219)	Shawn McReynolds
	Welding (Grayson Rm 132)	Darren Weyers
	Webelos Activity Pin “Forester” (Fin. Rm 106)	Danny Cline
	Note: (*) indicates a required Eagle Scout merit badge (+) indicates partial completion to be done with troop	
1:30-3:00 p.m.	Afternoon Break (Drinks & Snacks) (Fincastle Hall Snack Bar Rm 129 & Galax Hall Lobby)	J. Parker/B. Lowe/D. Cline
	NOTE: Instructors take restroom anytime and snack breaks any time	
4:30 p.m.	Final Ceremony (Galax Hall Rm. 202) Instructors handout certificates and/Merit Badge Cards	B. Vaughan/J. Parker