

STEM—NOVA Awards—Week 4 Only!



The newly developed Nova Awards encourage Scouts to explore the fields of Science, Technology, Engineering, and Mathematics (STEM) in more depth than merit badges typically do. There are currently four Nova awards available. Upon completion of their first Nova Award, a Scout will earn the Nova patch. For subsequent Nova Awards, a Scout will earn pins to add to the patch.

At Camp, Scouts will be given the opportunity to earn one or two of three STEM - Nova Awards. These opportunities will be offered as three-hour sessions that will include a merit badge and cover the additional requirements for the following Nova Awards:



“Start Your Engines!”

- Offered sessions 1-3 in the Ecology area
- Includes the Space Exploration merit badge
- Nova requirements include additional research, discussing energy sources, and building a model vehicle (not from a kit).



“Woosh!”

- Offered sessions 4-6 at the rifle range
- Includes the Rifle merit badge
- Nova requirements include additional research, identifying and understanding simple machines, creating designs for an amusement park ride or playground equipment that uses simple machines.



“Designed to Crunch!”

- Offered sessions 1-3 in the computer lab
- Includes Computers merit badge
- Nova requirements include additional research, calculating horsepower, collecting and understanding statistical data about sports, and understanding the functions of a calculator.



*Additional work outside of the class session will most likely be necessary.

**Scouts taking “Woosh!” must complete a permission slip (pg. 65) to leave camp for a field trip.

2015 Merit Badge Schedule—Week 4 only

*Bold merit badges are Eagle required

<> indicates merit badge on 3-year rotation

MOUNTAIN BIKING - is a 2-hour program.

SHOTGUN, ENVIRONMENTAL SCIENCE, and LIFESAVING meet for 1.5 hour sessions

NATURE and MAMMAL STUDY are taught concurrently. Scouts have the opportunity to earn two merit badges in one session.

C.O.P.E. - is a 3-hour program.

DAN BEARD - Our First Year Camper program is an ALL-DAY program.

Session 1 8:45am-9:35am	Session 2 9:45am-10:35am	Session 3 10:45am-11:35am	Session 4 1:30pm-2:20pm	Session 5 2:30pm-3:20pm	Session 6 3:30pm-4:20pm
ECOLOGY					
*Environmental Science	*Environmental Science		*Environmental Science	*Environmental Science	
<Pulp and Paper>	Fishing	Fishing	Fish & Wildlife Management	<Public Health>	<Pulp and Paper>
			<Soil & Water Cons.>	<Soil & Water Cons.>	Space Exploration
STEM - "Start Your Engines!" Nova Award - Space Exploration			<Rept. & Amph. Study>		Nature / Mammal Study
AQUATICS					
Kayaking	Rowing	Kayaking	Instructional Swim	Instructional Swim	Motorboating
Motorboating	Small Boat Sailing	Small Boat Sailing	Rowing	Canoeing	*Swimming
*Lifesaving	*Lifesaving				Instructional Swim
Canoeing	Canoeing	Mile Swim			
*Swimming	*Swimming				
OUTDOOR SKILLS					
*Emergency Preparedness	<Cooking>	*Emergency Preparedness	*Emergency Preparedness	Wilderness Survival	*Camping
Orienteering	Wilderness Survival	Orienteering	Wilderness Survival	*Camping	<Cooking>
<Athletics>		Pioneering	*Personal Fitness	Pioneering	*Personal Fitness
Mountain Biking (and a partial in Cycling MB)		Backpacking		Indian Lore	<Safety>
FIELD SPORTS					
Archery	Archery		STEM - "Whoosh!" Nova Award - Rifle		
Rifle	Rifle			Archery	Archery
	Climbing			Climbing	
	Shotgun	Shotgun		Shotgun	Shotgun
Adult C.O.P.E.			Scout C.O.P.E.		
HANDICRAFTS					
Woodcarving		Art	Basketry		
Art		Woodcarving	Leatherwork		
Sculpture		Leatherwork	Sculpture		
EAGLE'S NEST					
*Communication	*Citizenship in the Nation	Photography	*Citizenship in the Nation	Entrepreneurship	<Journalism>
*Citizenship in the Community	<American Cultures>	*Citizenship in the World	*Communication	*Citizenship in the World	*Citizenship in the Community
		Robotics	Railroading	*First Aid	*First Aid
STEM - "Designed to Crunch!" Nova Award - Digital Technology			<American Cultures>		Electronics

Rotating Merit Badges

In order to offer a wider variety of merit badges given staff limitations, the following merit badges will be offered on a three year rotation. Merit Badges on this list offered in 2014 will not be offered again until 2017 and so on.

2014 / 2017	2015 / 2018	2016 / 2019
ECOLOGY		
Bird Study	Geology	Chemistry
Weather	Pulp and Paper	Archeology
Forestry	Soil and Water Conserv.	Oceanography
Reptile and Amph. St.	Public Health	Energy
EAGLE'S NEST		
American Heritage	American Cultures	Public Speaking
Inventing	Journalism	Scouting Heritage
OUTDOOR SKILLS		
*Hiking	Backpacking	Geocaching
Athletics	Safety	Sports