

Scouts BSA Thomas Alva Edison

1	Earn Dr. Bernard Harris Supernova Award				
		SCIENCE	TECHNOLOGY	ENGINEERING	MATH
2	Complete 1 additional NOVA Award (Total of 4)	Shoot Let It Grow Splash Mendel's Minions	Start Your Engines Hello World	Whoosh Up and Away Next Big Thing	Designed to Crunch
3	Earn 4 Additional Merit Badges (Total of 8)	Animal Science	Electricity	Insect Study	Reptile & Amphibian Study
		Archaeology	Electronics	Inventing	Robotics
		Architecture	Energy	Mammal Study	Scuba Diving
		Astronomy	Engineering	Medicine	Signs, Signals, & Codes
		Auto Maintenance	E.Science	Mining in Society	Space Exploration
		Aviation	Farm Mechanics	Nature	Surveying
		Bird Study	Fish & Wildlife Mgmt	Nuclear Science	Sustainability
		Chemistry	Forestry	Oceanography	Veterinary Medicine
		Composite Materials	Game Design	Plant Science	Weather
		Dentistry	Gardening	Programming	Welding
		Digital Technology	Geocaching	Pulp and Paper	Soil & Water Conservation
		Drafting	Geology	Radio	
4	Complete 2 Additional Supernova Activities in one in each of two different topic areas not yet completed (All four areas will be covered through Bernard Harris and this Nova award) Part 1 - research Part 2 - experiment and report	SCIENCE	TECHNOLOGY	ENGINEERING	MATH
		Environmental Science: New Things From Old	Energy Technology	Deconstruct and Analyze: Mechanical Designs	From Simulations to Real Life: Modeling Bungee Jumping
		Movie Science: Misconceptions, Misunderstandings, & Mistakes	Communication Technology	Build and Test: High Performance Paper Gliders	Linking the Past to the Future: Predicting Old Faithful's Next Erruption
		Household Chemistry: Diet Coke and Mentos	Entertainment Technology	Design, Redesign and Contest Set-up	A Paradox of Counting: Voting Methods and Fair Decisions
5	Participate in a local, state, or national science fair or mathematics competition OR any equally challenging STEM oriented competition or workshop approved by mentor (2nd event)				
6	Organize and present a Nova award or other STEM-related program to a Cub Scout Den or Pack Meeting. (2nd Activity)				
7	Research a scientific, technical, engineering, or mathematical breakthrough or invention of the past 100 years that has affected our society in a meaningful way and present your hypothesis on how it might further affect our society during your lifetime. Present a 30-minute oral report or a 1,500-word written report to your mentor.				
8	Submit a Supernova Award Application to the district or council Nova committee for approval				