Thomas Edison Supernova Workbook

Boy Scout's name		
Address		
Telephone No.		
E-mail (optional)		
Unit No.		
District		
Local council		
Unit leader's name		
Address		
Telephone No.		
Mentor's name		
Address		
Telephone No.		

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	CALL CI.		_

Date Completed:	
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Complete ONE additional Boy Scout Nova Award for a total of four. (Note these may be done at any time after becoming a Boy Scout.)

Boy Scout Nova Award	Date Completed (please list all four dates)
Shoot!	
Start Your Engines	
Whoosh!	
Designed to Crunch	

Requirement 3

Earn FOUR additional Supernova-approved merit badges from the list below, other than the four earned while working on the Harris Supernova Award for a total of eight. (Note these may be earned at any time after becoming a Boy Scout.) *Please list dates for all eight merit badges*.

Merit Badge	Date Earned	Merit Badge	Date Earned
Animal Science		Geocaching	
Archaeology		Geology	
Architecture		Insect Study	
Astronomy		Inventing	
Automotive Maintenance		Mammal Study	
Aviation		Medicine	
Bird Study		Nature	
Chemistry		Nuclear Science	
Composite Materials		Oceanography	
Computers		Plant Science	
Dentistry		Pulp and Paper	
Drafting		Radio	
Electricity		Reptile and Amphibian Study	
Electronics		Robotics	
Energy		Scuba Diving	
Engineering		Soil and Water Conservation	
Environmental Science		Space Exploration	
Farm Mechanics		Surveying	
Fish and Wildlife Management		Veterinary Medicine	
Forestry		Weather	
Gardening		Welding	

Complete TWO additional Supernova Activity Topics, one each in the two STEM areas NOT completed for the Harris Supernova Award. (Note, the intent is that upon completion of the Edison Supernova Award, the Scout will have completed one Supernova Activity Topic in each of the four STEM areas.) *Please list dates for all four Supernova Activity Topics*.

STEM	Supernova Activity Topics	Date
Areas		
		pleted
Science	Environmental Science: New Things from Old	
	Movie "Science": Misconception, Misunderstanding, and Mistakes	
	Household Chemistry: Diet Coke and Mentos Explosions	
Technology	Energy Technology	
	Communication Technology	
	Entertainment Technology	
Engineering	Deconstruct and Analyze: Mechanical Designs	
	Build and Test: High Performance Paper Gliders	
	Design and Redesign: Egg Drop Contest	
Mathematics	From Simulations to Real Life: Modeling Bungee Jumping	
	Linking the Past to the Future: Modeling Old Faithful's Next Eruption	
	A Paradox of Counting: Voting Methods and Fair Decisions	

Requirement 5

Participate in a local, state, or national science fair or mathematics competition OR in any equally challenging STEM-oriented competition or workshop approved by your Mentor. An example of this would be an X-Prize type competition. (Note, the intent is that upon completion of the Edison Supernova Award, the Scout will have participated in two such events.)

SIEM Competition or Workshop Description (no	iture of event, topics, date)
Approvals for STEM Competition or Workshop:	
I participated in the above described STEM Com	petition/Workshop.
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Applicant's Signature:	Date:
Mentor's Signature:	Date:

Working with your mentor, organize and present a Nova award or other STEM-related program to a Cub Scout den or pack meeting. Be sure to received approval from the appropriate unit leader. If a Cub Scout den or pack is not available, your presentation may be given to another youth group, such as your troop or at your place of worship. (Note, the intent is that upon completion of the Edison Supernova Award, the Scout will have completed two such presentations.)

Event Description (event name, date, time frame, audience, activi	ty summary)
Approvals for Event Plans:	11 4
I have completed the plans for the above event and they have been individuals.	approved by the appropriate
ildividuais.	
Applicant's Signature:	Date:
Pack Representative's Signature:	Date:
Mentor's Signature:	Date:
Approvals for Completed Event:	
This event was carried out by myself and respectfully submitted.	
Applicant's Signature:	Date:
Pack Representative's Signature:	Date:
Mentor's Signature:	Date:

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 either a 30-minute oral report or a 1500-word written report to your mentor.

Approvals for Reseach Activity:		
I completed the research activity and		
☐ made a 30-minute oral presentation to my Mentor.		
☐ presented a 1500-word written report to my Mentor		
Applicant's Signature:	Date:	
Mentor's Signature:	Date:	

Requirement 8

Submit a Supernova award application to the district or council Nova or advancement committee for approval. See http://www.scouting.org/filestore/STEM/pdf/SupernovaApplication.pdf.