



# Thomas Edison



## Boy Scout Supernova Award Workbook

This workbook can help you but you still need to read the Boy Scout Nova Awards Guidebook.

This Workbook can help you organize your thoughts as you prepare to meet with your mentor.

You still must satisfy your mentor that you can demonstrate each skill and have learned the information.

You should use the work space provided for each requirement to keep track of which requirements have been completed, and to make notes for discussing the item with your mentor, not for providing full and complete answers.

If a requirement says that you must take an action using words such as "discuss", "show", "tell", "explain", "demonstrate", "identify", etc, that is what you must do.

**Mentors may not require the use of this or any similar workbooks.**

No one may add or subtract from the official requirements found in the Boy Scout Nova Awards Guidebook (Pub. 34033 – SKU 614936). The requirements were issued in 2012 • This workbook was updated in June 2018.

Scout's Name: \_\_\_\_\_ Unit: \_\_\_\_\_

Mentor's Name: \_\_\_\_\_ Mentor's Phone No.: \_\_\_\_\_

<http://www.USScouts.Org> • <http://www.MeritBadge.Org>

Please submit errors, omissions, comments or suggestions about this **workbook** to: [Workbooks@USScouts.Org](mailto:Workbooks@USScouts.Org)

Send comments or suggestions for changes to the **requirements** for the **Nova Award** to: [Program.Content@Scouting.Org](mailto:Program.Content@Scouting.Org)

### Second-Level Supernova Award for Boy Scouts

Here are the merit badges approved for use in earning the Boy Scout Supernova awards:

Animal Science	Electricity	Insect Study	Reptile and Amphibian Study
Archaeology	Electronics	Inventing	Robotics
Architecture	Energy	Mammal Study	Scuba Diving
Astronomy	Engineering	Medicine	Signs, Signals, and Codes
Automotive Maintenance	Environmental Science	Mining in Society	Soil and Water Conservation
Aviation	Farm Mechanics	Nature	Space Exploration
Bird Study	Fish and Wildlife Management	Nuclear Science	Surveying
Chemistry	Forestry	Oceanography	Sustainability
Composite Materials	Game Design	Plant Science	Veterinary Medicine
Dentistry	Gardening	Programming	Weather
Digital Technology	Geocaching	Pulp and Paper	Welding
Drafting	Geology	Radio	

1. Earn the Dr. Bernard Harris Supernova Award.
2. Complete ONE additional Boy Scout Nova award for a total of four. (Note: This may be done at any time after becoming a Boy Scout.)
- Shoot!       Whoosh!       Start Your Engines!       Designed to Crunch

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- 3. Earn FOUR additional Supernova-approved merit badges from the list provided, 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.)

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- 4. 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.)

- Science                     
  Technology                     
  Engineering                     
  Mathematics

- 5. Participate in a local, state, or national science fair or mathematics competition OR any other 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.)

Competition:

- 6. 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 receive 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.)
- 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 either a 30-minute oral report or a 1,500-word written report to your mentor
- 8. Submit an application to the district or council Nova or advancement committee for approval.

**When working on Nova and Supernova awards, Scouts and Scouters should be aware of some vital information in the current edition of the *Guide to Advancement* (BSA publication 33088). Important excerpts from that publication can be downloaded from <http://usscouts.org/advance/docs/GTA-Excerpts-nova.pdf>.**

**You can download a complete copy of the *Guide to Advancement* from <http://www.scouting.org/filestore/pdf/33088.pdf>.**