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Please submit errors, omissions, comments or suggestions about this **workbook** to: [**Workbooks@USScouts.Org**](mailto:Workbooks@usscouts.org?subject=Merit%20Badge%20Workbooks)

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

**Second-Level Supernova Award for Scouts BSA**

Here are the merit badges approved for use in earning the Scouts BSA 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 Scouts BSA Nova award for a total of four. (Note: This may be done at any time after becoming a member of Scouts BSA.)

⬜ Shoot! ⬜ Whoosh! ⬜ Start Your Engines! ⬜ Designed to Crunch ⬜ Splash!

⬜ Let It Grow ⬜ Hello World ⬜ Mendel’s Minions ⬜ Up and Away ⬜ Next Big Thing

⬜ 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 Scout.)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ⬜ |  | ⬜ |  | ⬜ |  | ⬜ |  |

⬜ 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**](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**](http://www.scouting.org/filestore/pdf/33088.pdf)**.**