



National Capital Area Council
Guide for a Cub Scout or Webelos Scout to Earn a STEM Supernova Award

BSA STEM Supernova Awards

BSA established the Supernova Awards program to go beyond the Nova Awards to further stimulate Scout and Venturer interest in STEM-related fields, and show how science, technology, engineering and mathematics apply to everyday living and the world around them.

Assumptions

- A unit has an affiliated Supernova Mentor (registered with NCAC) who is current with Youth Protection Training
- Each District has an Advancement & Recognition Chair and a STEM Coordinator to provide assistance

Guide Posts

- Cub Scouts and Webelos Scouts are introduced to STEM through a series of activities and achievement.
- The Supernova Awards recognize superior achievement by accomplishing experiments and other activities.
- The Supernova Awards include:

Program	Supernova Awards
Cub Scouts (Wolf or Bear) http://www.scouting.org/stem/Awards/CubScout.aspx#supernova	Dr Luis W. Alvarez Supernova Award
Webelos http://www.scouting.org/stem/Awards/Webelos.aspx	Dr Charles H. Townes Supernova Award

- A Cub Scout Supernova Award requires:

Requirement	Activity	Transaction
1	Complete Adventures appropriate for rank	Wolf Scout <ul style="list-style-type: none"> • Air of the Wolf • Code of the Wolf Bear Scout <ul style="list-style-type: none"> • Make it Move • Super Science
2	Complete Adventures appropriate for rank	Wolf Scout <ul style="list-style-type: none"> • Call of the Wild Bear Scout <ul style="list-style-type: none"> • Forensics or • Marble Madness
3	Find out about Dr Luis Alvarez	Discuss with your Mentor
4	Find out about three others famous for STEM	Discuss with your Mentor
5	Speak with your teacher or a Cub Scout leader about your interest in this award	Discuss with your Mentor
6	Participate in a science project	Discuss with your Mentor
7	Visit someone in a STEM related career or learn about a STEM career	Discuss with your Mentor
8	Learn about the scientific method	Discuss with your Mentor
9	Participate in a STEM related activity at your den or pack meeting	Conducted by a Boy Scout or Venturer working on their Supernova Award is desired
10	Submit an application for the Cub Scout Supernova Award	Provide to the District STEM Coordinator, who will review and then forward to the NCAC STEM Committee



- A Webelos Supernova Award requires:

Requirement	Activity	Transaction
1	Complete Webelos Adventures	<ul style="list-style-type: none"> • Adventures in Science • Adventures in Engineer • Scouting Adventure
2	Complete three of the six listed Adventures	<ul style="list-style-type: none"> • Build It • Building a Better World • Castaway • First Responder • Into the Wild • Into the Woods
3	Find out about Dr Charles H. Townes	Discuss with your Mentor
4	Find out about five others famous for STEM	Discuss with your Mentor
5	Speak with your teacher or a Cub Scout leader about your interest in this award	Discuss with your Mentor
6	Participate in a science project	Discuss with your Mentor
7	Visit someone in a STEM related career or learn about a STEM career	Discuss with your Mentor
8	Do an experiment that shows how the scientific method is used	Prepare a short report for your Mentor
9	Participate in a STEM related activity at your den or pack meeting	Conducted by a Boy Scout or Venturer working on their Supernova Award is desired
10	Submit an application for the Webelos Supernova Award	Provide to the District STEM Coordinator, who will review and then forward to the NCAC STEM Committee

Success means

- The key to deliver a successful STEM Supernova program in your unit is to integrate STEM into the accomplishment of existing unit program activities.
- A concerted, focused effort by the Cub Scout or Webelos Scout, with the assistance and guidance of a Supernova Mentor, the unit STEM coordinator and the unit leader.
- The District STEM Coordinator is available to assist with coordinating an event between the pack and a Scout working on their own Supernova Award

Process to Achieve Supernova Award

- Identify the registered Supernova mentor – to help guide the Scout thru the award process. If the unit does not have an affiliated Supernova Mentor, contact the District STEM Coordinator or Advancement & Recognition Committee Chair
- Determine if there are fellow Scouts who want to also earn the Supernova Award
- Determine if there are any activities that can be accomplished as part of the unit’s program
- Develop a plan to accomplish the Supernova Award requirements.
- Complete the required Supernova Award application (to include the workbook) and forward to the District STEM Coordinator, who will in-turn present it to the NCAC STEM Committee Chair for review and approval.
- NCAC will finalize the approved award and forward the medal and certificate to the unit leader.
- The Scout is recognized at the next unit court of honor or similar event.

Resources

- The NCAC STEM Committee Web page at <http://www.ncacbsa.org/activitiesevents/stem/>. This page describes the NCAC STEM Program, how to register as a Supernova Mentor, training opportunities, and other events. The BSA STEM home page is at <http://www.scouting.org/stem.aspx>. Here you can find more information on what the BSA STEM program is all about – and the background on how to successful achieve the Nova Awards

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