Webelos Supernova Award
Dr. Charles H. Townes Award

Webelos Supernova award

1. Complete the following Webelos Adventures.

☐ Adventures in Space earned on ________________ (date)
☐ Engineering earned on ________________ (date)
☐ Scouting Adventure earned on ________________ (date)

2. Complete three of the following adventure:

☐ Build It ________________ (date)  ☐ First Responder ________________ (date)
☐ Build A Better World ______ (date)  ☐ Into the Wild ________________ (date)
☐ Castaway ________________ (date)  ☐ Into the Woods ________________ (date)

3. Find interesting facts about Dr. Charles H. Townes using resources in your school or local library or on the Internet (with your parents’ or guardians’ permission and guidance). Then discuss what you learned with your mentor, including answers to the following questions:

☐ What very important award did Dr. Townes earn? _____________________________
☐ What was Dr. Townes’ famous invention? _____________________________
☐ I learned facts about Dr. Charles H. Townes and discussed them with my Mentor.

4. Find out about five other famous scientists, technology innovators, engineers, or mathematicians approved by your mentor. Discuss what you learned with your mentor.

I learned about these famous STEM people and discussed them with my Mentor.

☐ 1. _____________________________
☐ 2. _____________________________
☐ 3. _____________________________
☐ 4. _____________________________
☐ 5. _____________________________
5. Speak with your teacher(s) at school (or your parents if you are home-schooled) OR one of your Cub Scout leaders about your interest in earning the Webelos Scout Supernova award. Ask them why they think math and science are important in your education. Discuss what you learn with your mentor.

- I talked to an adult about my interest in earning the Webelos Scout Supernova award.
- We talked about why math and science are important in my education.
- I discussed what I learned with my Mentor.

6. Participate in a science project or experiment in your classroom or school. Discuss this activity with your mentor.

- I participated in a science project at school.
  - It was titled ____________________________
- I discussed the science project with my Mentor.

7. Do ONE of the following:
   A. Visit with someone who works in a STEM-related career. Discuss what you learned with your mentor.
   B. Learn about a career that depends on knowledge about science, technology, engineering, or mathematics. Discuss what you learned with your mentor.

   - A. I talked to ____________________________________________
      who works as a __________________________________________
      I discussed what I learned with my Mentor.
   OR
   - B. I learned about ________________________________________,
      a career that depends on knowledge of STEM topics.
      I discussed what I learned with my Mentor.
8. Under the direct supervision of your mentor, do an experiment that shows how the scientific method (or scientific process) is used. Prepare a short report on the results of your experiment for your mentor.

☐ I did a science experiment which demonstrates the scientific method.
   It was titled ________________________________

☐ I prepared a short report for my Mentor.

9. Participate in a Nova- or other STEM-related activity in your Webelos Scout den or pack meeting that is conducted by a Boy Scout or Venturer who is working on his or her Supernova award. If this is not possible, participate in another Nova- or STEM-related activity in your den or pack meeting.

☐ I participated in a STEM-related activity with my den/pack.
   The activity was ________________________________
   The activity was led by ________________________________

10. Submit an application for the Webelos Scout Supernova award to the district STEM or advancement committee for approval.

☐ I downloaded and completed the application for the Webelos Scout Supernova award. (http://www.scouting.org/filestore/STEM/pdf/SupernovaApplication.pdf)

☐ I will submit the application and a copy of this worksheet to the Council’s Nova Committee for approval.