



Webelos Scout Supernova Award Dr. Charles H. Townes Award



1. Earn the Scholar AND Scientist AND Engineer Webelos Scout activity badges.

<input type="checkbox"/> Scholar activity badge earned on _____ (date)	
<input type="checkbox"/> Scientist activity badge earned on _____ (date)	
<input type="checkbox"/> Engineer activity badge earned on _____ (date)	
_____ Mentor's Okay	_____ Date

2. Earn THREE of the following Webelos Scout activity badges: Craftsman, Forester, Geologist, Naturalist, Outdoorsman, and Readyman.

<input type="checkbox"/> Craftsman _____ (date)	<input type="checkbox"/> Naturalist _____ (date)
<input type="checkbox"/> Forester _____ (date)	<input type="checkbox"/> Outdoorsman _____ (date)
<input type="checkbox"/> Geologist _____ (date)	<input type="checkbox"/> Readyman _____ (date)
_____ Mentor's Okay	_____ Date

3. Find interesting facts about Dr. Charles H. Townes using resources in your school or local library or on the Internet (with your parent's or guardian's 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's most famous invention?

<input type="checkbox"/> I learned facts about Dr. Charles H. Townes and discussed them with my Mentor.	
<input type="checkbox"/> Dr. Townes was awarded the _____	
<input type="checkbox"/> His famous invention was _____	
_____ _____	
_____ Mentor's Okay	_____ Date



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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. _____

Mentor's Okay

Date

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.

Mentor's Okay

Date

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

My science project was _____

I discussed the science project with my Mentor.

Mentor's Okay

Date



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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.

I chose A B

For option A,
 I visited with _____ on date _____
 I discussed what I learned with my Mentor.

For option B,
 I learned about the career _____
 I discussed what I learned with my Mentor.

Mentor's Okay _____
Date

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 an experiment for my mentor about _____,

I prepared a short report on the results of my experiment.

Mentor's Okay _____
Date

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 _____ and led by _____

Mentor's Okay _____
Date



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10. Submit an application for the Webelos Scout Supernova award to the district Nova 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.

Mentor's Okay

Date