



Webelos Supernova Award Dr. Charles H. Townes Award



Webelos Supernova award

1. Complete the following Webelos Adventures.

<input type="checkbox"/> Adventures in Space earned on _____ (date)
<input type="checkbox"/> Engineering earned on _____ (date)
<input type="checkbox"/> Scouting Adventure earned on _____ (date)

2. Complete three of the following adventure:

<input type="checkbox"/> Build It _____ (date)	<input type="checkbox"/> First Responder _____ (date)
<input type="checkbox"/> Build A Better World _____ (date)	<input type="checkbox"/> Into the Wild _____ (date)
<input type="checkbox"/> Castaway _____ (date)	<input type="checkbox"/> 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:

<input type="checkbox"/> What very important award did Dr. Townes earn? _____
<input type="checkbox"/> What was Dr. Townes' famous invention? _____
<input type="checkbox"/> 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.	
<input type="checkbox"/> 1.	_____
<input type="checkbox"/> 2.	_____
<input type="checkbox"/> 3.	_____
<input type="checkbox"/> 4.	_____
<input type="checkbox"/> 5.	_____



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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.



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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.

<input type="checkbox"/> I did a science experiment which demonstrates the scientific method. It was titled _____
<input type="checkbox"/> 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.

<input type="checkbox"/> 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.

<input type="checkbox"/> I downloaded and completed the application for the Webelos Scout Supernova award. (http://www.scouting.org/filestore/STEM/pdf/SupernovaApplication.pdf)
<input type="checkbox"/> I will submit the application and a copy of this worksheet to the Council's Nova Committee for approval.