# CUB SCOUT NOVA AWARD - SCIENCE EVERYWHERE (SCIENCE)

Additional checkoff sheets and helps are available from ScouterMom.com.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| This module is designed to help you explore how science affects your life each day. | | | | | | | | | | |
| 1. Choose A or B or C and complete ALL the requirements. | | | | | | | | | | |
| 1A. Watch an episode or episodes (about one hour total) of a show about anything related to science. Then do the following: | | | | | | | | | | |
| 1A-1. Make a list of at least two questions or ideas from what you watched. | | | | | | | | | | |
| 1A-2. Discuss two of the questions or ideas with your counselor. | | | | | | | | | | |
| 1B. Read (about one hour total) about anything related to science. Then do the following: | | | | | | | | | | |
| 1B-1. Make a list of at least two questions or ideas from what you read. | | | | | | | | | | |
| 1B-2. Discuss two of the questions or ideas with your counselor. | | | | | | | | | | |
| 1C. Do a combination of reading and watching (about one hour total) about anything related to science. Then do the following: | | | | | | | | | | |
| 1C-1. Make a list of at least two questions or ideas from what you read and watched | | | | | | | | | | |
| 1C-2. Discuss two of the questions or ideas with your counselor. | | | | | | | | | | |
| 2. Complete ONE adventure from the following list for your current rank or complete option A or B. (If you choose an Adventure, choose one you have not already earned.) Discuss with your counselor what kind of science, technology, engineering, and math was used in the adventure or option. | | | | | | | | | | |
| 2- Adventure 1. Collections and Hobbies (Wolf) | | | | | | | | | | |
| 2- Adventure 2. Digging in the Past (Wolf) | | | | | | | | | | |
| 2- Adventure 3. Germs Alive! (Wolf) | | | | | | | | | | |
| 2- Adventure 4. Grow Something (Wolf) | | | | | | | | | | |
| 2- Adventure 5. A Bear Goes Fishing (Bear) | | | | | | | | | | |
| 2- Adventure 6. Bear Picnic (Bear) | | | | | | | | | | |
| 2- Adventure 7. Critter Care (Bear) | | | | | | | | | | |
| 2- Adventure 8. Earth Rocks! (Webelos) | | | | | | | | | | |
| 2- Adventure 9. Maestro! (Webelos) | | | | | | | | | | |
| 2-Option A: Complete all of the following: | | | | | | | | | | |
| 2-Option A (a) Explain the scientific method to your adult partner. | | | | | | | | | | |
| 2-Option A (b) Use the scientific method in a simple science project. Explain the results to an adult. | | | | | | | | | | |
| 2-Option A (c) Talk to a scientist about why he or she became a scientist. | | | | | | | | | | |
| 2-Option B: Complete all of the following: | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| This module is designed to help you explore how science affects your life each day. | | | | | | | | | | |
| 2-Option B: (a) Show how to orient a map. Find three landmarks on the map. | | | | | | | | | | |
| 2-Option B: (b) Make a simple compass with a magnet and pin. | | | | | | | | | | |
| 2-Option B: (c) Show how a compass works. (d) Use a compass on an orienteering activity with at least 3 stops. | | | | | | | | | | |
| 3. Act like a scientist! Explore EACH of the following: | | | | | | | | | | |
| 3A. With your counselor, choose a question you would like to investigate. Here are some examples only (you may get other ideas from your adventure activities): | | | | | | | | | | |
| 3A-1. Why do rockets have fins? Is there any connection between the feathers on arrows and fins on rockets? | | | | | | | | | | |
| 3A-2. Why do some cars have spoilers? How do spoilers work? | | | | | | | | | | |
| 3A-3. If there is a creek or stream in your neighborhood, where does it go? Does your stream flow to the Atlantic or the Pacific ocean? | | | | | | | | | | |
| 3A-4. Is the creek or stream in your neighborhood or park polluted? | | | | | | | | | | |
| 3A- 5. What other activity can you think of that involves some kind of scientific questions or investigation? | | | | | | | | | | |
| 3B. With your counselor, use the scientific method/process to investigate your question. Keep records of your question, the information you found, how you investigated, and what you found out about your question. | | | | | | | | | | |
| 3C. Discuss your investigation and findings with your counselor. | | | | | | | | | | |
| 4. Visit a place where science is being done, used, or explained, such as one of the following: zoo, aquarium, water treatment plant, observatory, science museum, weather station, fish hatchery, or any other location where science is being done, used, or explained. | | | | | | | | | | |
| 4A. During your visit, talk to someone in charge about science. | | | | | | | | | | |
| 4B. Discuss with your counselor the science done, used, or explained at the place you visited. | | | | | | | | | | |
| 5. Discuss with your counselor how science affects your everyday life. | | | | | | | | | | |
| | | | | | | | | | | |
| Completed | | | | | | | | | | |
| Presented | | | | | | | | | | |