



Venturing Crew 800
Yucaipa, California
Amateur Radio, Emergency Preparedness, High Adventure



Crew 800 – Arts & Hobbies Bronze (Modified)

Do 9 of the following:

1. Keep a journal for at least 3 months. Include information about your radio activities, license preparation, operation modes, emergency preparedness, and related activities. Copies of documentation of activities below should be included. Include a log of on air contacts.
2. Earn the Technician Class Amateur Radio License or above.
3. Make a presentation to a group on safety hazards common to radio installation, repair and usage and how to prevent injuries. Obtain a CPR certificate.
4. Participate in at least two (2) public service / emergency events lasting at least 4 hours each, operating radio communications equipment. Write a brief report on your activities and make a 10 – 15 minute presentation to your crew, another youth group or a group of adults outlining your participation, challenges and activities.
5. Assist with an amateur radio licensing class / course. Prepare and deliver a 20-30 minute presentation / demonstration on a topic in coordination with the lead instructor.
6. Interview two persons (outside the crew) who have been involved in amateur radio for at least 10 years. Find out how they became involved, what modes they operate, how amateur radio has enhanced their lives and the changes to the hobby since they have become licensed. Learn about various career opportunities and organizations for amateur radio licensees. Share your report with your crew and advisor.
7. Attend and actively participate for at least two hours in at least two amateur radio events. (Field Day, Ham Conventions, On Air contests, Community presentations). Prepare a table top display or power point presentation on the activity and share with your crew, another youth group or non-ham related group.
8. Assist a group of scouts (at least 2), earn the BSA Radio Merit Badge or Girl Scouts Ham Radio Patch.
9. Actively assist with planning, setup, and operate during Jamboree on the Air (JOTA). Prepare a table top display, design a poster or prepare a press release publicizing the event.
10. Successfully complete four (4) courses related to emergency / disaster operations. One should be based on the Incident Command System (ICS) or SEMS. The ARRL Amateur Radio Emergency Communications Course counts for two.

- 11.** Design, and print your own QSL cards. Explain the history and use of the QSL Card, QSL Bureaus, IRC and electronic versions of QSL cards. (E-QSL, LotW, etc.) Demonstrate the use of an internet call book both for operation and QSL purposes.
- 12.** Experiment and operate at least 3 digital amateur radio communications techniques. Make a presentation to your crew or another group on these modes and their uses.
- 13.** Build a transceiver from a kit. Demonstrate it's operation and explain to your crew or another group how it works, the assembly involved and operation.
- 14.** Construct at least two antennas and feed line systems. One directional and one omni directional. Erect and make at least 5 contacts with each. Solder the connectors as required.
- 15.** Demonstrate how to request emergency assistance or to report an emergency or hazardous situation using amateur radio. Include hazardous weather, fires, traffic emergency, etc. Explain hazards and how to not become a victim in these situations.
- 16.** Set up and operate one field portable, radio station without using commercial power, antenna support structures, etc. Present a report to your crew or another group on the experience.