

“Radio Broadcasting”

New Honor Submission

Proposed Title: Radio Broadcasting

Topical Category: Vocational

Purpose of the Honor: This honor is designed to allow Pathfinders to explore the professional vocation of radio broadcasting. It prepares Pathfinders with a basic understanding of radio waves and electricity. More importantly, it allows Pathfinders to investigate what being a radio announcer or producer entails, to become familiar with the equipment used, to understand the educational path that is needed for radio as a career, and to gain some experience in a radio studio. This honor also encouraged Pathfinders to consider a career in radio as a ministry and outreach opportunity.

The existing “radio electronics” honor gives Pathfinders a deep understanding of the inner workings of the radio itself. The existing 1928 “radio” honor requires Pathfinders to study and test for the Technical Class Amateur Radio License. Neither existing honors address a Pathfinder's interest in radio as a career. This honor does.

Skill Level: 1

Time to Complete: 4-6 hours

Materials needed and Costs per person:

Material	Needed for	Cost
Amatuer Radio Kit (optional)	#7a	A variety of options are available for purchase ranging from \$25-60

Other Resources Needed:

1. Internet Access (for research)
2. Access to a local radio station.
3. A Bible

Radio Broadcasting Honor Requirements

1. Learn how radio waves work. Demonstrate your understanding.
2. Learn how electricity and circuits work in the context of radio. Demonstrate your understanding.
3. Learn about the licensing process for individuals wishing to pursue a career in radio broadcasting. Demonstrate your understanding.
4. Learn about operational regulations that radio stations must follow. Demonstrate your understanding.
5. Tour a radio studio. Identify and describe the kind of technology and equipment that is needed for radio broadcasting.
6. Interview a radio announcer or producer.
 - a. What education & licensing is needed for a career in the field of radio?
 - b. How did you become a radio announcer / producer?
 - c. How can you find radio broadcasting jobs?
 - d. What is your job description & what are your specific responsibilities in your job?
 - e. What are some regulations & safety procedures that you follow in your job?
 - f. What are some tips for doing your job well?
 - g. What ethical standards should be followed?
7. Do one of the following:
 - a. Take part in a live or recorded radio broadcast, either in speaking or production.
 - b. Build an amateur radio set.
8. Investigate the ministry of Adventist World Radio.
9. Memorize the Pathfinder Aim, "The Advent Message to All the World in My Generation." Explain how radio can help to further this effort.
10. Memorize Matthew 28:19 and explain how radio can help to further the message of Christ to all nations.

Radio Broadcasting Honor Answers

I am supplying links with videos and articles that can be useful resources for obtaining the needed information. This list is not exhaustive. Reach out to local science museums and children's museums who often offer free demonstrations to groups.

1. Learn how radio waves work. Demonstrate your understanding.
<https://www.autodesk.com/products/eagle/blog/wireless-basics-radio-waves-work/>
https://www.nasa.gov/directorates/heo/scan/communications/outreach/funfacts/txt_radio_spectrum.html
<https://electronics.howstuffworks.com/radio.htm>
<https://www.youtube.com/watch?v=drLxfjqZHV0>
2. Learn how electricity and circuits work in the context of radio. Demonstrate your understanding.
<https://www.youtube.com/watch?v=mc979OhitAg&t=9s>
3. Learn about the licensing process for radio stations and individuals wishing to pursue a career in radio broadcasting. Demonstrate your understanding.
https://en.wikipedia.org/wiki/Broadcast_license
<https://radio.co/blog/radio-broadcasting-licence>
<https://www.fcc.gov/media/radio/how-to-apply>
4. Learn about operational regulations that radio stations must follow. Demonstrate your understanding.
<https://www.fcc.gov/media/radio/public-and-broadcasting>
5. Tour a radio studio. Identify and describe the kind of technology and equipment that is needed for radio broadcasting.
<https://mediarealm.com.au/articles/radio-station-technical-equipment-overview/>
6. Interview a radio announcer or producer.
 - a. What education & licensing is needed for a career in the field of radio?
 - b. How did you become a radio announcer / producer?
 - c. How can you find radio broadcasting jobs?
 - d. What is your job description & what are your specific responsibilities in your job?
 - e. What are some regulations & safety procedures that you follow in your job?
 - f. What are some tips for doing your job well?
 - g. What ethical standards should be followed?
7. Do one of the following:
 - a. Take part in a live or recorded radio broadcast, either in speaking or production.
 - b. Build an amateur radio set.
https://www.amazon.com/s?k=radio+kit+for+kids&ref=nb_sb_noss_2
8. Investigate the ministry of Adventist World Radio.
<https://awr.org/>
9. Memorize the Pathfinder Aim, "The Advent Message to All the World in My Generation." Explain how radio can help to further this effort.

Possible answer: The radio helps us reach people in all parts of the world, even if we can not go there ourselves.

10. Memoize Matthew 28:19 and explain how radio can help to further the message of Christ to all nations.

Possible answer: The radio helps us reach people in all parts of the world, even if we can not go there ourselves.