

How to get youth involved in Amateur Radio

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What do you want to learn?

- Why are you here?
- Did you come last year?
- Are you already working with youth?
- Sign up for email updates.



We are going to cover

- Assembling a team
- Finding youth
- Woodinville ARES Group's core program
- New things we tried last year
- Future Ideas
- How to get **your** event going!



Assembling a Team

- Get a team OR do it yourself
- You can do this with just one person!
- It is easier with a team
 - Our core team meets once a week for lunch
 - We have a large team through work and ham clubs we can leverage
 - Big Thanks to our volunteers!



Finding Youth

- What motivates them?
 - Badges?
 - License?
 - Fun?
 - Scholarship?
- Key contacts?
- How to get the word out?



Possible youth groups

- Cub Scouts
- Boy Scouts
 - merit badges, NOVA awards, Eagle projects
- Girl Scouts
- 4H
- Schools
 - science fairs, science teachers, clubs



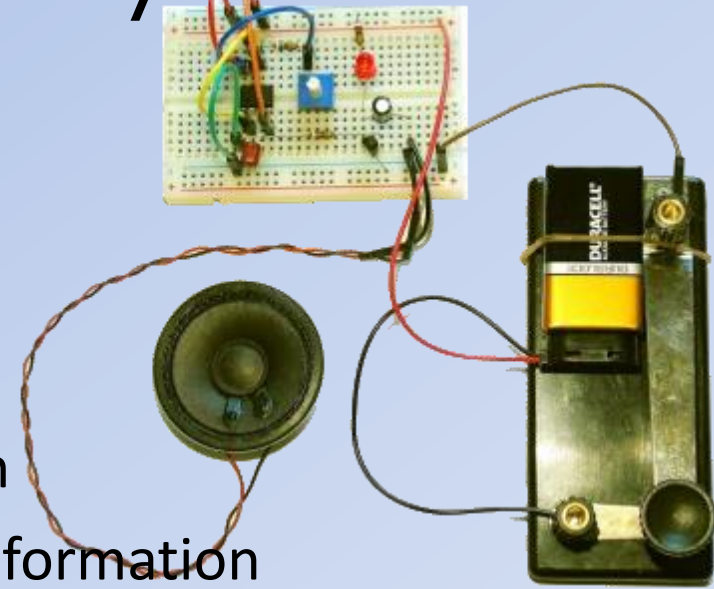
Our core program

- Radio & electronics day
- Jamboree on the Air (JOTA)
- Other periodic events
- An email newsletter
- HamTestOnline.com

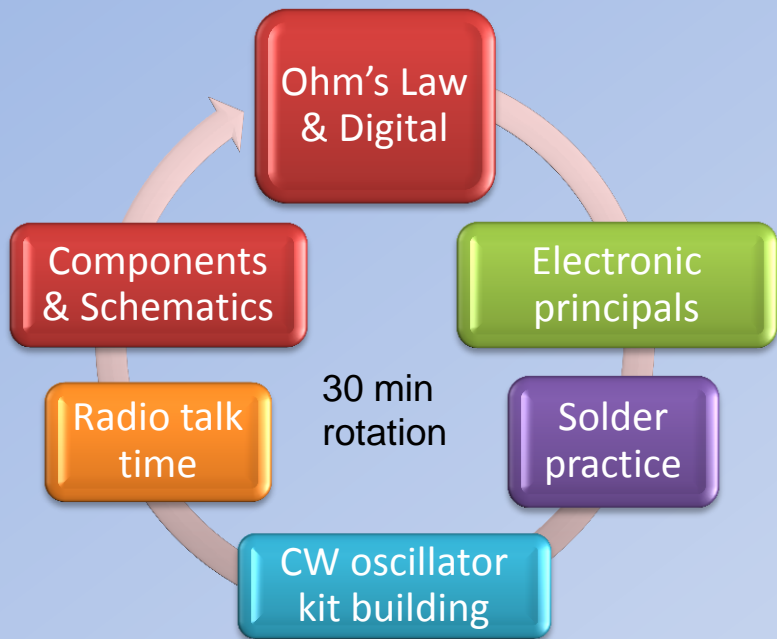


Radio & electronics day details

- 2 times a year
- 8 hour program
 - 12 learning sessions of a ½ hr
 - Materials available for each session
 - Not much time to add additional information
 - FCC exam at end of the day
- Covers all of radio & electronics merit badges
- They build a keyer circuit with a 555 timer
- Price includes a key, the keyer kit, and the FCC exam



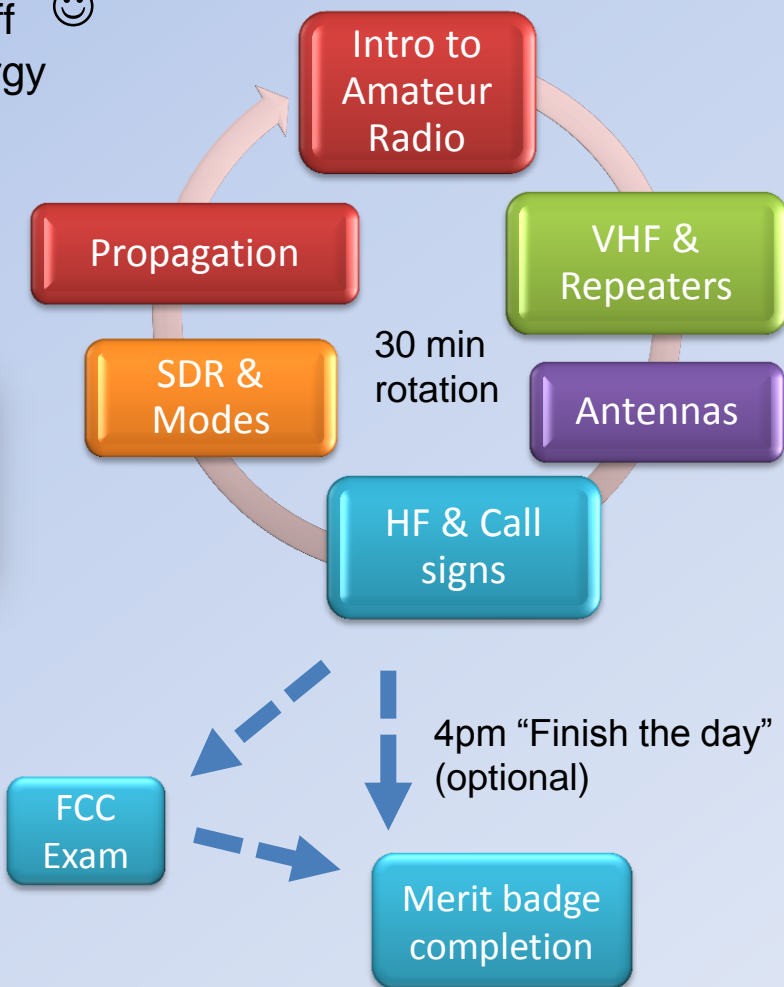
9am Station group "Electronics"



12n "Lunch"
and burn off ☺
some energy



1pm Station group "Radio"



Radio and Electronics Merit Badge Workshop Day



FCC Exam!

At the end of the day we have an optional FCC exam session for adults, kids and walk-ins

- The cost for the exam is bundled into each kid's registration so it is no additional cost to them to try for their license
- We run through ~40–60 adults and kids
- Using two or three VE team



Jamboree on the Air

(Use your license)

- All the fun things you can do with ham radio
- Hands on
- Get them talking on the radio
- Do things you are excited about!
- If you offer merit badge sessions, you will get more kids!



New things we tried last year

- Summer Camp + FCC exams
- Giving our radios
- Monthly FCC test
- Hour of Code
- STEM High School
- Yacht Club
- Girl Scouts



Our Future Ideas

- Teaching videos
- More hands on during
- Radio Jump Start
- Leveraging hamtestonline.com more



Other fun activities

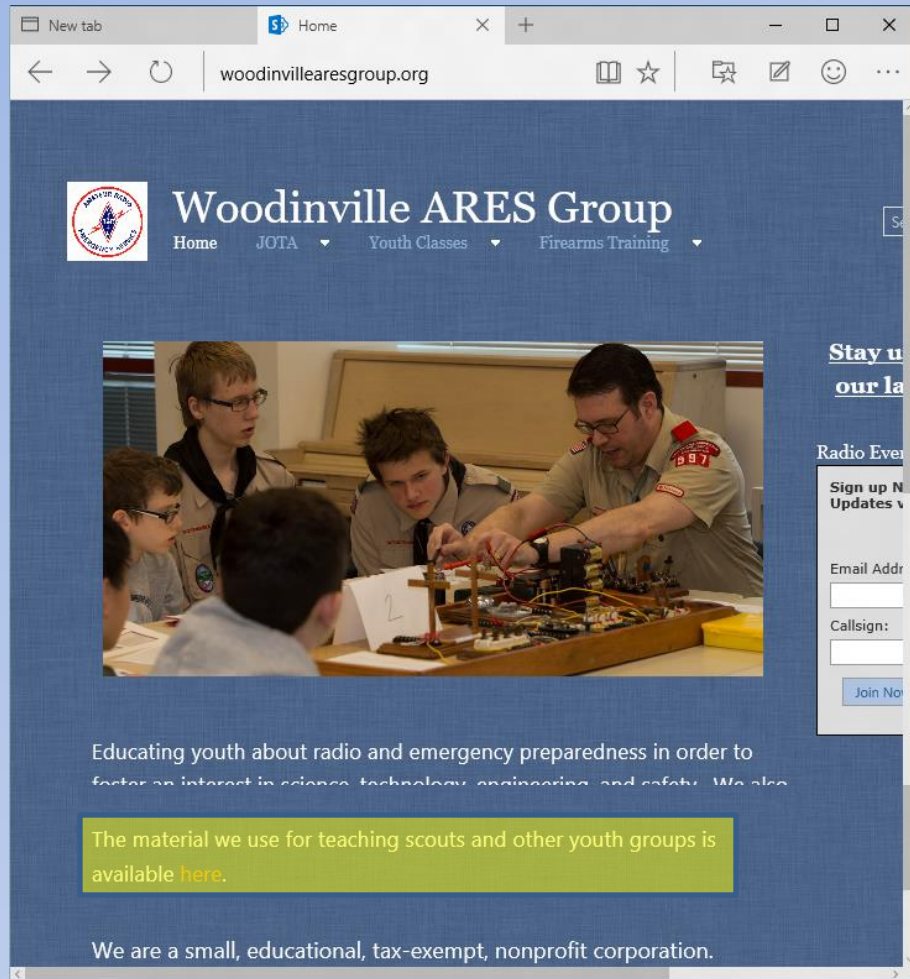
Outdoors, scouts, and radio go great together!

- APRS
- High Altitude Balloons
- Fox Hunts
- 6/ 20/14 BSA On Target
(<http://www.bsaontarget.org/> & Yahoo group)
- ID-31 D-Star
- Summits on the Air
- Lighthouses on the Air
- Solar Energy for Radio
- Soccer field game
- Play 20 questions over the radio
- Scout Activities
 - Eagle Projects
 - Philmont
 - Outings

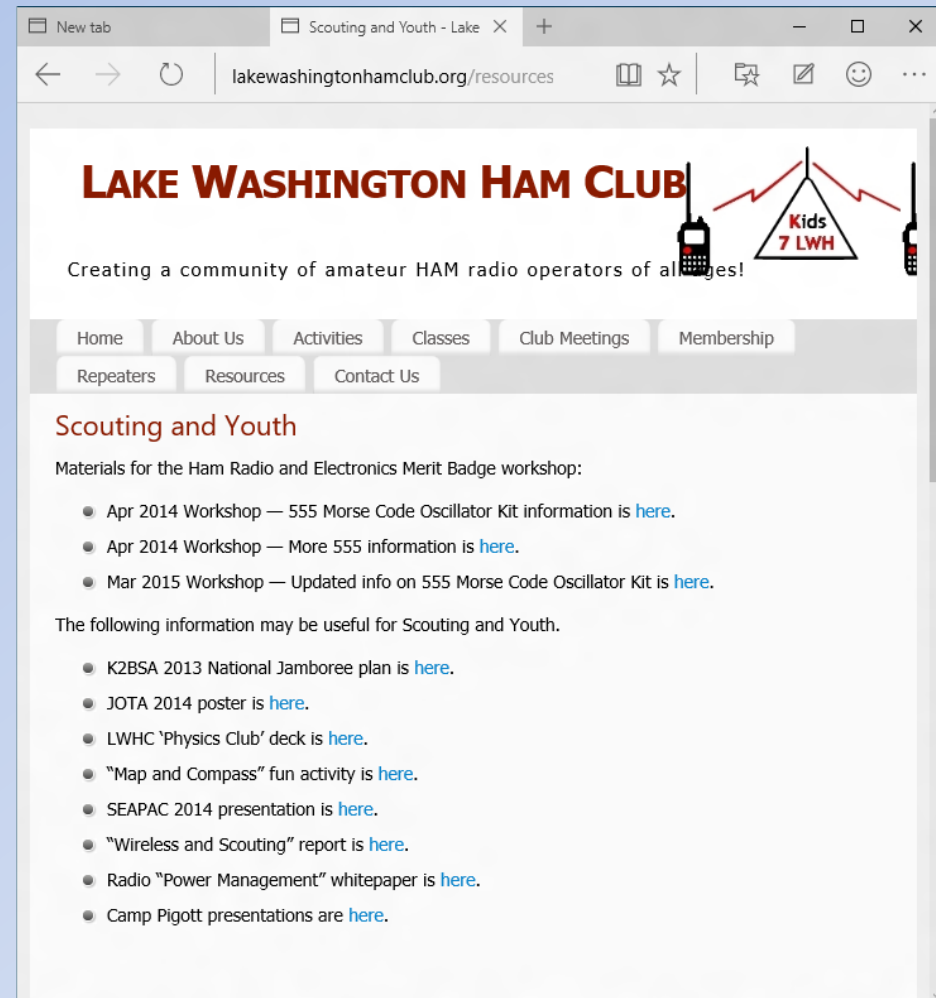
What are your ideas?



Our materials are online!



The screenshot shows the website for the Woodinville ARES Group. The browser address bar displays "woodinvillearesgroup.org". The page features a blue header with the group's logo and navigation links: Home, JOTA, Youth Classes, and Firearms Training. A central photograph shows a group of scouts and an adult working on an electronics project. Below the photo, text reads: "Educating youth about radio and emergency preparedness in order to foster an interest in science, technology, engineering, and safety. We also". A yellow callout box contains the text: "The material we use for teaching scouts and other youth groups is available [here](#)." At the bottom, it states: "We are a small, educational, tax-exempt, nonprofit corporation."



The screenshot shows the website for the Lake Washington Ham Club. The browser address bar displays "lakewashingtonhamclub.org/resources". The page features a white header with the club's name and a logo for "Kids 7 LWH". Below the header, text reads: "Creating a community of amateur HAM radio operators of all ages!". A navigation menu includes links for Home, About Us, Activities, Classes, Club Meetings, Membership, Repeaters, Resources, and Contact Us. The main content area is titled "Scouting and Youth" and lists materials for the Ham Radio and Electronics Merit Badge workshop:

- Apr 2014 Workshop — 555 Morse Code Oscillator Kit information is [here](#).
- Apr 2014 Workshop — More 555 information is [here](#).
- Mar 2015 Workshop — Updated info on 555 Morse Code Oscillator Kit is [here](#).

The following information may be useful for Scouting and Youth.

- K2BSA 2013 National Jamboree plan is [here](#).
- JOTA 2014 poster is [here](#).
- LWHC 'Physics Club' deck is [here](#).
- "Map and Compass" fun activity is [here](#).
- SEAPAC 2014 presentation is [here](#).
- "Wireless and Scouting" report is [here](#).
- Radio "Power Management" whitepaper is [here](#).
- Camp Pigott presentations are [here](#).



Get your event going!

- What are you going to do?
 - Radio MB is a great starting place
- Set a date months in advance
- Advertise!
- And get the word out early!
- Pre-registration is great
 - Eventbrite.com



Summary

- It doesn't take much to teach the Radio MB
- Find your DE. He (or she) will help get the word out.
- Come to the discussion this afternoon
- All our resources are available online
 - www.woodinvillearesgroup.org
 - www.lakewashingtonhamclug.org



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