

IEEE Chapter Club of Montgomery College
Montgomery Amateur Radio Club

Technician Class License Course

March 28, 2015 to May 2, 2015

Science Center, room SC416

9 AM to 12 Noon

David Bern, W2LNX and friends

education@marcclub.org

course Website

<http://www.marcclub.org/mweb/education/Technician/index.html>

agenda

Announcements and reminders

- collecting Form 605

Lesson 7 – AI, KN3U:

- module 11 – Basic Amateur Radio Station Equipment

Break and demonstration – David, W2LNX

Lesson 8 – AI, KN3U:

- module 12 – Power Supplies and RF Interference

Rockville Science Day

Sunday, April 26, 2015

Noon - 5:00 p.m.

Montgomery College/Rockville Campus
51 Mannakee St., Rockville, MD 20850

Free and open to the public
Hands-on activities
Fun for all ages!

web: www.rockvillescience.org/rcsday.html
email: scienceday@rockvillescience.org

Organized by:
Rockville
Consortium
for Science

Program of:
Rockville
Science
Center

Supported by:
City of Rockville and
Montgomery College

- Environment & Nature
- Space & Astronomy
- Reptiles & Birds
- Chemistry & Biology
- Robotics & Rockets
- And much more!

Food available for purchase
Plenty of free parking
Rain or shine



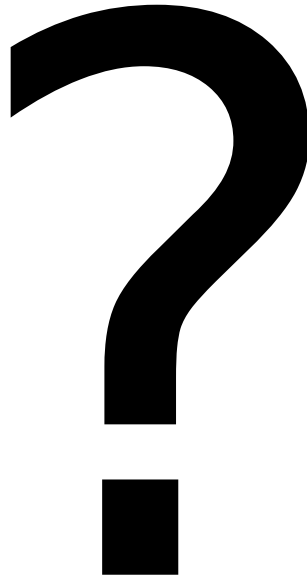
preparing for the Technician test

- obtain an FCC Registration Number (FRN)
 - Web page: [FCC Registration](#)
- fill out a blank form [NCVEC QUICK-FORM 605](#) with your FRN
 - [sample NCVEC form 605](#)
 - email your filled out 605 to
education@marcclub.org
- take practice tests – 85% score or better – 30 questions correct
 - [ARRL Exam Review for Ham Radio™](#)

Basic Amateur Radio Station Equipment

👉 HRLM [module 11 – Basic Amateur Radio Station Equipment](#)

questions



break and encore demonstration

☞ demonstrate sending email to the Internet using Winlink over packet radio

- Kenwood TH-D7A handie-talkie
- netbook

Winlink packet gateway:

- Raspberry Pi
- Internet connection
- station: WA3SWJ-10

☞ demonstrate operating digital voice radio of the D-STAR system

- ICOM IC-92AD handie-talkie

D-STAR hotspot:

- Raspberry Pi
- DVAP USB dongle
- Internet connection

Power Supplies and RF Interference

👉 HRLM [module 12 – Power Supplies and RF Interference](#)

- [module 12 improved](#)

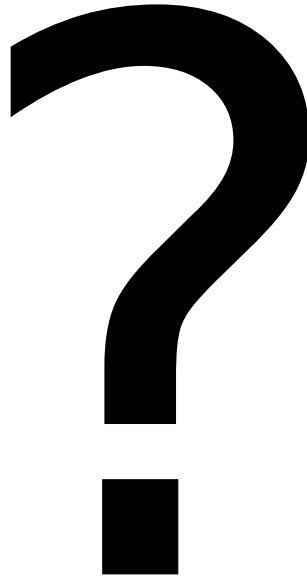
preparing for the Technician test

- need to obtain an FCC Registration Number (FRN)
 - Web page: [FCC Registration](#)
- fill out a blank form [NCVEC QUICK-FORM 605](#) with your FRN
 - [sample NCVEC form 605](#)
- take practice tests – 85% score or better – 30 questions correct
 - [ARRL Exam Review for Ham Radio™](#)
- [resources](#)

homework

- homework: obtain your FRN and email your 605 form to education@marcclub.org
- read pages for session 5 in HRLM for modules 8, 9 and 10
- take a practice test at [ARRL Exam Review for Ham Radio™](#)

questions



education@marcclub.org

