

SPARC Technician Class – Feb 2011

1. The Sterling Park Amateur Radio Club will conduct a Technical License.
2. Date/Time:
Saturday and Sunday, 12-13 February 2011.
Class Saturday, 12 February 2011 0800 – 1700 and
 Sunday, 13 February 2011 0800 – 1200
3. Place: Home of NQ4K. 12315 Streamvale Circle, Herndon, VA 20170.
4. Attendees: All interested people are invited to participate in both the Technician license class. Prior notice of attendance to class coordinator is required. Class is limited to 10 students. Walk-ins are not accepted.
5. Fees: There is no fee for participation in the technician license class. Attendees may contribute \$10 to defray the cost of lunches for both days.
6. The Technician License Class Coordinator is Gordon, NQ4K.
7. The class consists of 1) pre-class study and 2) the instructor-guided class.
8. Pre-class study.

Students should read a technician class study guide. The recommended material is available on the internet at:
http://www.kb6nu.com/wp-content/uploads/2010/06/2010_Tech_Study_Guide.pdf

Students are not required to bring the study guide to the class.

An On-Line Practice Exam is available and may be used by students. This is not required.
<http://copaseticflow.blogspot.com/2008/10/technician-class-amateur-exam-practice.html>

9. Instructor-Guided Class:

Students will attend 12 hours of class covering all sub-elements of the technician class licensing test.

The class material will be from http://www.rtsi.com/~HRInstructor/Technician_2010/T1-T0/.

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These presentations and instructors are:

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| Saturday 0800 | T1 - FCC Rules, descriptions and definitions for the amateur radio service, operator and station license responsibilities. | Paul, K4PDF |
| 0900 | T2 - Operating Procedures | Paul, K4PDF |
| 1000 | T3 - Radio wave characteristics, radio and electromagnetic properties, propagation modes | Gordon, NQ4K |
| 1100 | T4 - Amateur radio practices and station set up | Kevin, W4KLS |
| 1200 | Lunch | |
| 1300 | T5 - Electrical principles, math for electronics, electronic principles, Ohm's Law | Mark, KI4OBT |
| 1400 | T6 - Electrical components, semiconductors, circuit diagrams, component functions | Henry, K2BFY |
| 1500 | T7 - Station equipment, common transmitter and receiver problems, antenna measurements and troubleshooting, basic repair and testing | Kevin, W4KLS |
| 1600 | T8 - Modulation modes, amateur satellite operation, operating activities, non-voice communications | Jim, KF4PQL |
| Sunday 0800 | T9 - Antennas, feedlines | Gordon, NQ4K |
| 0900 | T0 - AC power circuits, antenna installation, RF hazards | Henry, K2BFY |
| 1000 - 1200 | Review session | All |

Radios will be available for familiarization of students.

10. Publicity. (Coordinator: Gordon, NQ4K)

- a. Notice of technician class and VE examination session will be submitted to ARRL for posting to their web site.
- b. Class notice will be posted to the SPARC web site.
- c. Notices will be sent to the local high schools (Herndon, HS, Park View HS, Dominion High School (home of the Science Academy for LCPS) and Potomac Falls High School).
- d. Press releases will be submitted to the local newspapers.

11. Food and drink

- a. Light lunch (Pizza or sandwiches) will be provided for the 2 days.
- b. Soft drinks, coffee, and tea will be available.