



HELPFUL INFORMATION FOR HAM RADIO INSTRUCTORS

from Bob Burns, K4RHB:

Bob Burns', K4RHB, edited version of the ARRL 2018 to 2022 Technician Class Materials are made available in a zip file for download to Ham Radio Instructors free of charge by K4RHB Software at:

<https://k4rhbsoftware.com>

Bob's edited version of the ARRL 2018 to 2022 Technician Class Power Point Modules includes many features not in the ARRL's version. Some of these additional features are:

1. Included Instruction in basic algebraic concepts to help students better understand formulas and equations
2. Basic instruction in Scientific Notation with powers of 10 to help students better understand the metric system
3. Simple method for calculating effective radiated power using dB gain
4. Standardized Bullet Point hierarchy that is uniform throughout the PowerPoint Modules. A Standardized Bullet Point hierarchy helps students to recognize topic and subtopic more readily
5. Color coded words, phrases, and symbols that help students recognize information that is important to learn

No PowerPoint presentation is enough by itself to teach any topic to a classroom full of students. A PowerPoint presentation is just one tool in an instructor's toolbox. The instructor must have a thorough knowledge of the topic(s) he/she presents to students. A thorough knowledge of the topic(s) being taught is needed so that the instructor can expand on and/or interpret for the students the information being presented on each PowerPoint slide.

These Technician Class PowerPoint Modules are intended to be presented in class one Module at a time. I present this course to my students two evenings a week for nine weeks with a testing session at the end. An example of my Class Schedule and Syllabus is included in the zip file.

Student reading assignments in the ARRL Ham Radio Technician Class Manual, 4th Edition, are given for each Module in the Class Schedule and Syllabus. Students are expected to read the assigned pages before each Module's class. Reading the assigned pages is important because there

is information in the reading that is not necessarily taught in class and vice versa. The combination of reading the assigned pages and information taught in class over the nine-week period prepares students well to pass the FCC Exam and begin their careers as Ham Radio Operators.

My 2019 class had eleven students completing the course with nine students passing the FCC Exam. The two students that didn't pass only missed it by one question each. Taking the time to present topics one Module at a time over a period of nine weeks with two classes per week pays off in results.

Questions may be directed to Bob Burns, K4RHB, by sending emails to k4rhbsoftware1@gmail.com

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