



LEARN IT, BUILD IT, FIX IT CLASSES

LEARN ABOUT VACUUM TUBE TECHNOLOGY

BUILD A TUBE AMPLIFIER KIT

FIX YOUR AMP – LEARN TO TEST

10/16/21 – 10/30/21– FUNDAMENTALS

- **Safety**
- **Introduction: sound & waveforms**
- **Audio amplification & music**
- **Basic electricity & electronics**
- **Multi-channel sound – stereo and beyond**
- **Passive & active circuit elements**
- **Active circuit elements: the vacuum tube**
- **Vacuum tubes in amplifiers; classes of operation; distortion**
- **Speaker systems; how they work; types**
- **Test & measurement equipment; VOM, VTVM; DVM; oscilloscopes**
- **Soldering 101: How to solder & soldering equipment**
- **Basic construction tools and techniques**

11/6/2021 – 11/20/21 – BEGIN TO BUILD YOUR AMPLIFIER KIT

- **In-class building of your kit with help & guidance**
- **Final testing**

Cost: The cost for the six classes is \$180 and includes a one year, on-line membership in AWA; plus the student must purchase and have available the tube stereo amplifier kit of their choice by 10/30/21 (or an amp to restore), supply soldering equipment and tools. Sessions will be held on Saturdays 9 am to 1pm at the Antique Wireless Museum, 6925 Route 5, Bloomfield, NY.

For more information and registration form, visit:

<https://antiquewireless.org/homepage/learn-build-fix-classes/>

Send questions to EducationCoordinator@AntiqueWireless.org