

## **CW ACADEMY – FREE INSTRUCTOR-LED ONLINE TRAINING VIA SKYPE**

CW Academy - <http://www.cwops.org/cwacademy.html>

General information about the CW Academy and how to sign up.

CW Academy Resources for Students - <http://www.cwops.org/cwa-student-res.html>

These are the lessons and assignments for students – but you don't have to be a student to follow the plan for Level I, which teaches you all the letters and numbers.

Morse Trainer - <https://morsecode.scphillips.com/trainer.html>

The online training tool that is used for the lessons CW Academy Level I. No additional software needed.

## **OTHER ONLINE TRAINING TOOLS**

LCWO – Learn CW Online - <https://lcwo.net/> This one is really good for speed practice. Highly configurable, whether you want to do word training, number training, or callsign training and want to push your speeds. You can set the minimum and maximum speed and have it increase as you copy successfully, or you can just set it up for one speed if you wish. You can set the character speed at 20 wpm and space out the characters for an effective word speed of say, 8 wpm, so that you get the characters at a fast speed, but with enough space for you to register each letter in your head before the next one comes (Koch method.) Great for starting to head copy.

## **FREE SOFTWARE**

G4FON CW Trainer – <http://www.g4fon.net/CW%20Trainer.htm>

Uses the very effective Koch method that lets you set the character speed and spacing independently

Morse Runner – <http://www.dxatlas.com/morserunner/>

Simulates a CW contest – great for callsign practice. Has many variables – you can choose whether you want to have single callsigns respond to your CQ, or run a pileup and try to pick out the callsigns. You can add in QRN, QRM, QSB, Lids, and Flutter. Makes you think you are actually operating in a contest. Can be integrated with N1MM logger so you can practice contesting from within N1MM, only it's the software you are working with, not live contacts.

RufzXP <http://www.rufzxp.net/>

Callsign training software. Really fun to see how fast you can get. You will surprise yourself!

## **OTHER FUN STUFF**

Morse Toad – for your smartphone or tablet – get the kids or grandkids involved and excited about CW. Just search for Morse Toad in your device's app store.