

## Using Morse Code Trainer for CW Academy Fundamental class

Morse Code Trainer, by Stephen Phillips, is a web-based application available at: <https://morsecode.world>. For the CW Academy Fundamental class lessons, go to the above URL and click "Instant Character Recognition" in the light-gray box labeled Training.

*Welcome to Morse Code World!*

Here you will find some of the best online resources for Morse code. Whether you're here for fun or to learn Morse code, I aim to provide the resources you need. I develop this in my spare time (as part of my hobby) and for those people that have helped with suggestions and advice over the years.

## International Morse Code

This is what people generally mean when they say "Morse code". It's been the standard form since the late 19th century.

### Translator

The original and best!

Translate between letters and dots and dashes. Hear, control and download the sound or watch a flashing light.

Type a message and send it to a friend or share on social media.

Have a go

### Training

This expanding collection of training tools has been informed by the CWops CW Academy and others.

[CWops Beginner Trainer](#)

[QSO Trainer](#)

[Word List Trainer](#)

[Instant Character Recognition](#)

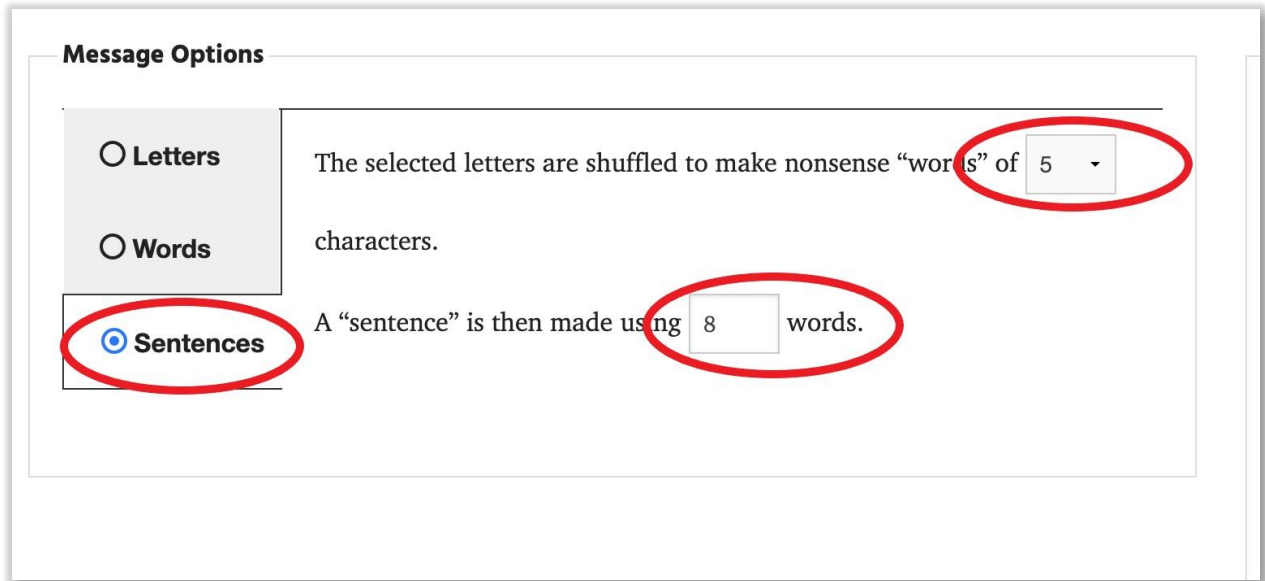
Read more

Once on the ICR page, select Alphabetical then scroll down to the boxes under "Choose characters by type" and click Letters. When this box is clicked the letters above it

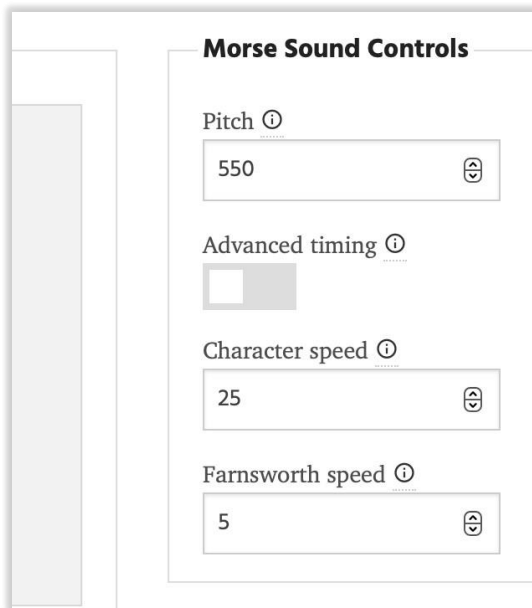
should have their background color darken which means they are selected. Clicking Letters again will cause the color to lighten which means the letters are not selected. Do the same with Numbers. Then individually select the '?', '/' and '<BT>'. These are the 39 characters covered by the CW Academy Beginner class.

The screenshot shows the 'International Morse Training' interface. At the top, there are navigation links for 'CWops (EN)', 'CWops (JP)', 'QSO', and 'Word Lis'. The main section is titled 'Letters to Practise' and asks the user to 'Choose which order to learn the letters in:'. There are four buttons: 'Alphabetical' (highlighted with a red circle), 'CW Academy', 'Koch', and 'LCWO'. Below this, a note states 'Alphabetical, but probably not the best order for learning.' A grid of 39 character buttons is displayed, including letters A-Z, numbers 0-9, and various punctuation and control characters like '&', '@', '(', ')', ':', ',', '=', '!', '.', '-', '+', '?', '/', '<BT>', '<BK>', and '<SK>'. At the bottom, another section asks to 'Choose characters by type:' with five buttons: 'Letters' and 'Numbers' (both highlighted with a red circle), 'Punctuation', 'Prosigns', and 'Clear'.

Scroll down a bit for "Message options." Select Sentences, then set for "The selected letters..." to 5 (or select another number) and "A sentence..." of 8. The product of the two numbers you select should equal or exceed 39 (in this case,  $5 \times 8 = 40$ ).



Further down the page, select a pitch that sounds good to you. This can be very important if you wear hearing aids. For a Fundamental class, try to start with a character speed of 25 WPM and a Farnsworth speed of 5 to 10 WPM (this places extra space between each character).



To start, click the word next to "Message"; each time you click it, it will cycle between "hide" and "show." Set this so it says "Message (show)"; this hides the characters as they are being played.

Click the Play button.

**Message (show)**

Playback Controls

Play Play Next Next Stop Repeat Download

Choose what sequence to play and show for each message:

1: Show & Say Before Show it Say it

2: Morse Hear it Count

3: Thinking Pause

4: Show & Say After Show it Say it

5: Morse Hear it

6: Bell Bell

If you want to get extra practice with troublesome characters, deselect all characters and select the individual ones you want to work on.

A way to see how you are doing is to go through the above steps (you will not have change the tone and speed settings) and use a phone or tablet that has a voice recording app. Set your device close enough to your computer so that it can record the sounds coming from your computer and your voice. When you click Play (as above), say the characters out loud as you hear them. When it is done playing, click the Message option (as above) to see the characters that were sent. Rewind your voice recording and play it back. Note which characters you missed and write them down if you are consistently having problems with them.