## STEM Challenge: Morse Code



Morse code is stillin use today in the Morse Code Preservation Society. It can
be transmitted through
whin written on paper.

Using the code key and directions on the next page, decode the messages below. Share the key with a neighbor and send messages using your flashlight at night! Turn the light on and off quickly for a dot, leave it on three times as long for a dash. Don't forget to leave it dark for your spaces!



Want more Morse code? Code a message and send it to us at eplyouthservices@gmail.com! We'll see if we can decode it and send one back. Remember your spacing!

## How to use International Morse Code:

1. A "unit" is the length of one dot.
2. A dash is three units.
3. The space between dots and dashes in the same letter is one unit.
4. The space between letters in a word is three units.
5. The space between words is seven units.
6. To add a period use . $\qquad$ . $\qquad$ . $\qquad$
7. To add a comma use $\qquad$ .. $\qquad$
8. To add a question mark use . . $\qquad$ .
9. If you didn't understand the message sent to you, send back an error message . . . . . . . . . . (ten dots)
If you're using sound or lights to send your message:
To signal the beginning of a message (for light or sound messages) use
$\qquad$ . $\qquad$ . $\qquad$
To signal the end of a message use . $\qquad$ . $\qquad$ .

