

# CIPHER WHEEL FOR ALPHABETIC SUBSTITUTION

You can use this cipher wheel for simple alphabetic substitution ciphers. The way it works is that you print this page, and cut out the 2 wheels on the dashed lines. Then you connect them in the center, the smaller wheel on top. You can use a brass fastener (if you have one) to connect them at the center, or you can also just use a thumbtack and tack them together onto a thick piece of cardboard.

Once assembled, you rotate the smaller wheel as much as you want so that a different letter is lined up between the outer and inner letter circles. Once you are done, you have your substitution key! When writing an encoded word, look for the letter you want to encode on the outer wheel, and then the inner wheel will show you the substitution.

Example:

Line up A on the outer ring, with G on the inner ring. This will be your “key”. AG. Now, if you want to write the word AVOCADO in code using this key, you just look for each letter on the outer wheel, and write the letter you see on the inner wheel. So with the key AG, **AVOCADO** would be written as **GBUIGJU**.

