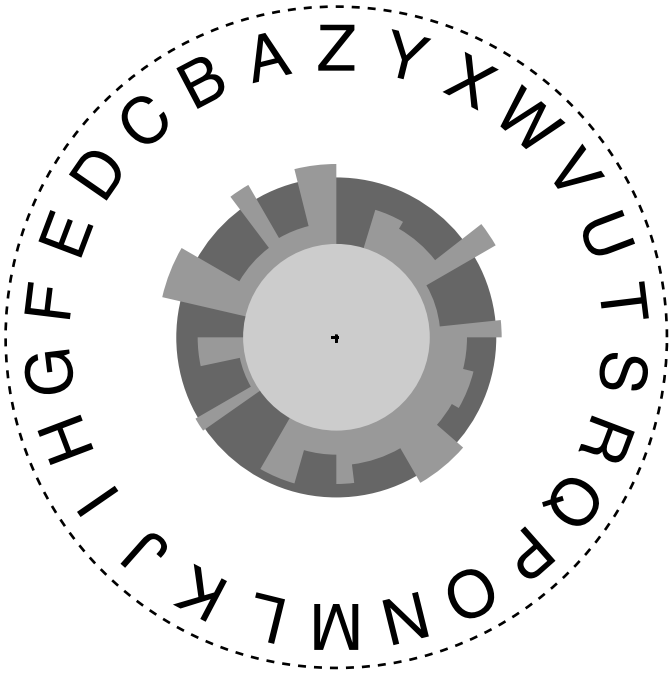
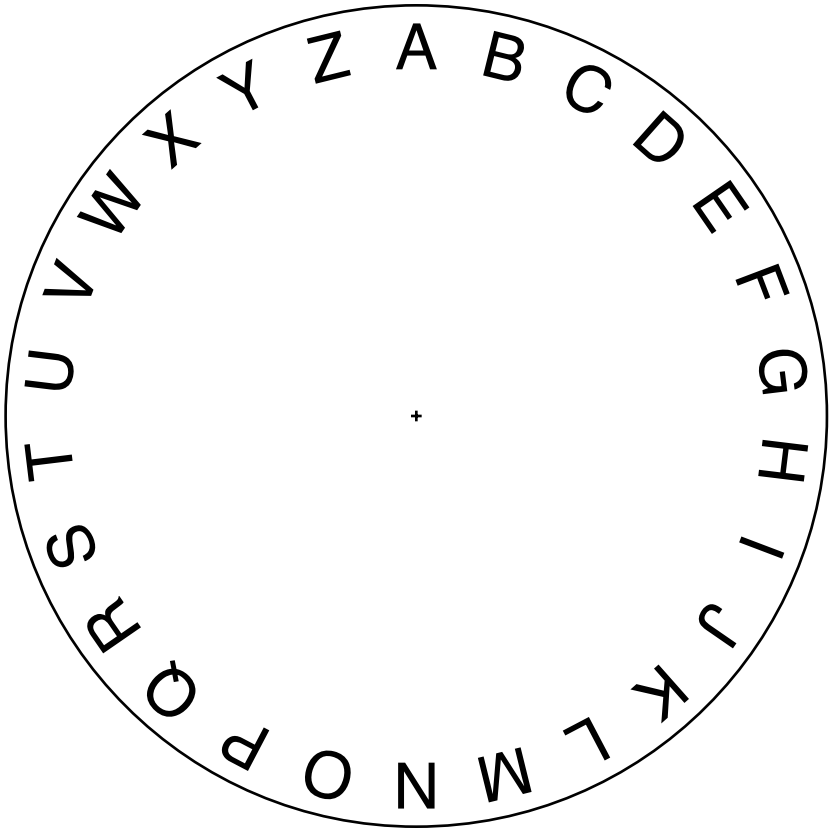
Reverse Caesar Cipher kit





Assembly Instructions:

1 - print this page on thick paper
2 - cut out the upper wheel along dotted lines
3 - push a pin or tack through both wheels, smaller wheel on top

Encrypt a message:

1 - choose an alignment of the wheels
2 - write down any pair of inner/outer letters - this is your key. Share it with your friend in secret
3 - for each letter in your message find the letter on one wheel, and write down the letter on the other wheel
4 - this is your encrypted message. give it to a friend to decrypt

Decrypt a message:

1 - you have a key (shared previously) and a secret message.
2 - align the wheels so the two letters in the key are lined up
3 - for each letter in the encrypted message, find the letter on one wheel, and write down the letter on the other wheel.
4 - congratulations - You've decrypted a secret message!

Things to ponder:

1 - how are the encrypt and decrypt processes similar?
2 - how are they different?
3 - if someone doesn't have the key, how difficult is decryption?
4 - does it matter which wheel you use for encrypting or decrypting?
5 - other than size, are the wheels different? Why might that be?