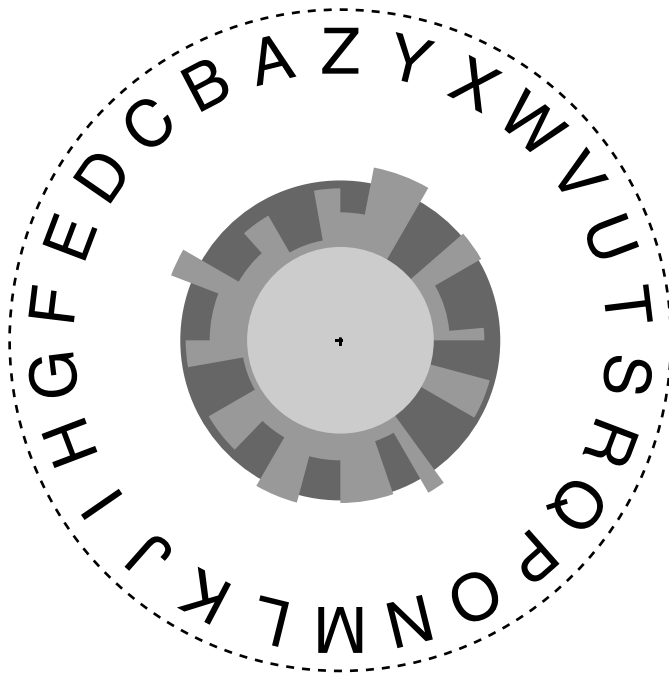


Reverse Caesar Cipher kit



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?

