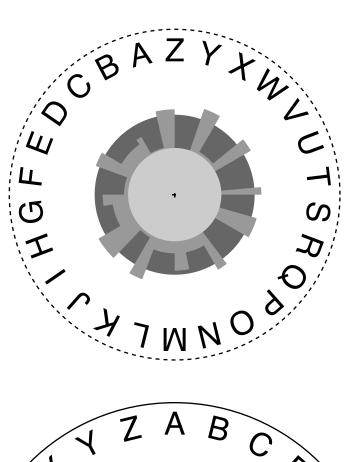
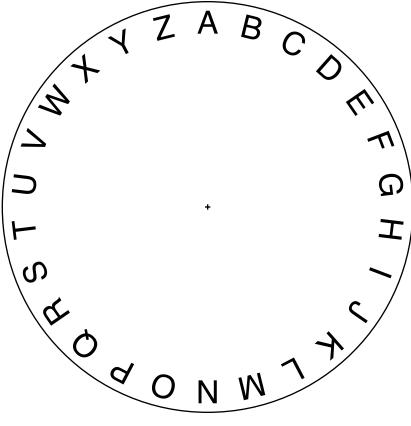
Caesar Cipher kit





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?

This kit is part of an in-progress book about Cryptography, Programming and Mathematics by Dylan McNamee. It is released under the Creative Commons Attribution-ShareAlike license. Visit https://github.com/dylanmc/CryptoBook for more information. Version 1.3, October 11, 2016