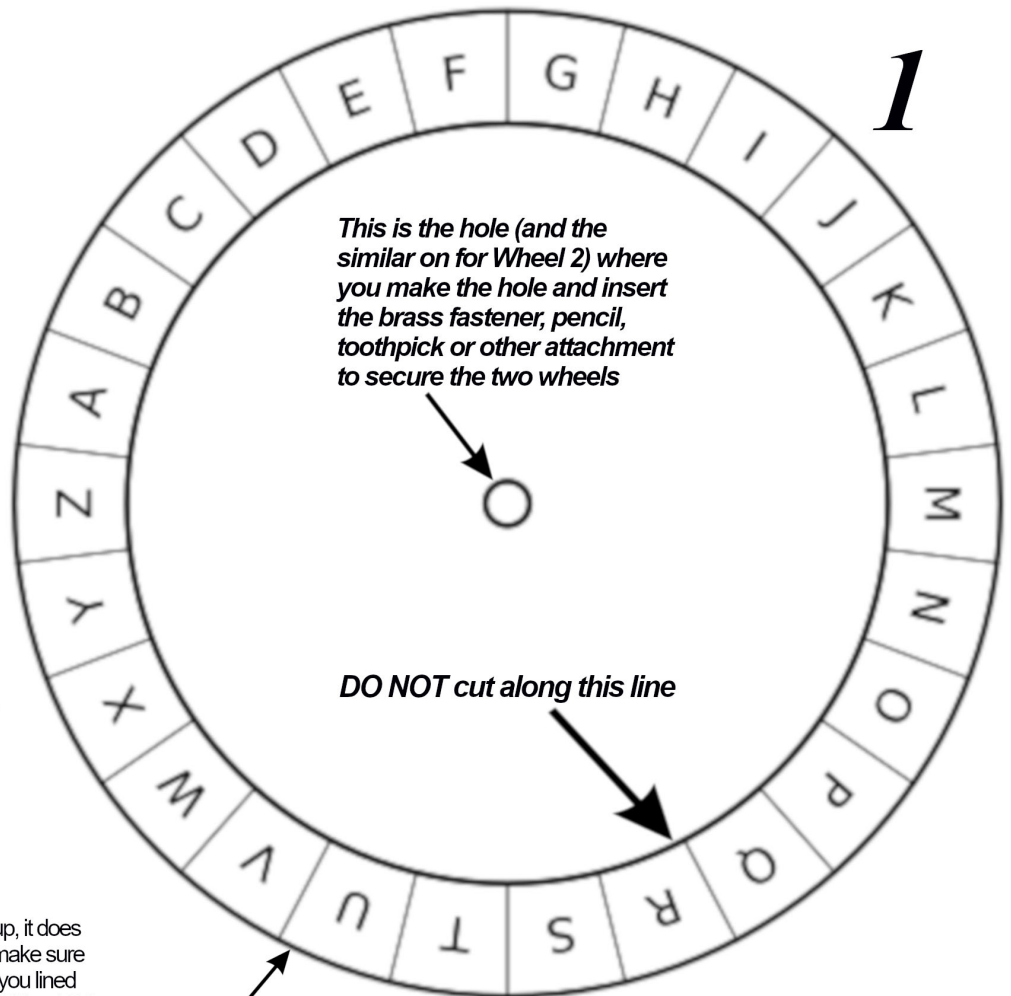


# BETA CIPHER WHEEL

## HOW TO ASSEMBLE THE CIPHER WHEEL

1. Cut out *Wheel 1* & *Wheel 2*
2. Place *Wheel 2* on top of *Wheel 1*
3. Attach the two Wheels by poking a brass fastener through the middle of the two Wheels. If you don't have a brass fastener you can use any item which will allow *Wheel 2* to spin on *Wheel 1* (e.g. opened paperclip, pencil, toothpick, etc.).



## HOW TO USE THE CIPHER WHEEL

### CREATE A KEY

1. Spin *Wheel 2* so that the spoke-like lines line up, it does not matter how much you spin *Wheel 2*, just make sure the spoke lines match up. This is your KEY. If you lined up the letter "A" (on *Wheel 1*) and E (on *Wheel 2*) your KEY would be A5 (because the 5 is under the E)

2. Once you've created your key, use a paperclip, piece of tape or binder clip to keep the wheels from spinning.

### ENCODE YOUR MESSAGE

- 1: Write the message you want to send. For example: "HELLO"

- 2: Take your Cipher Wheel and assuming you used the KEY A3, you would look for the upper case "H" and the coded letter below it would be a J. Repeat for each of the upper case letters (or character). When completed your coded message would be: J E N N O

\*\*\* NOTE: If there are any numbers in your message you would need to spell them out.

### HOW TO DECODE

1. Take the KEY (e.g. "C5") and message sent to you by your partner and spin *Wheel 2* so the number "5" is under the upper case "C". Secure the two wheels so they don't move (e.g. paper clip, tape, your fingers - don't let go!!).

2. Find the first letter/character from the coded message, and look for the upper case letter above it – that's your decoded letter. For example: if the KEY is "C5" and the first letter of the coded message was J, the decoded letter would be an "N". If the coded message was J E N N O the decoded message would be "NICKLE".

Cut along these lines

