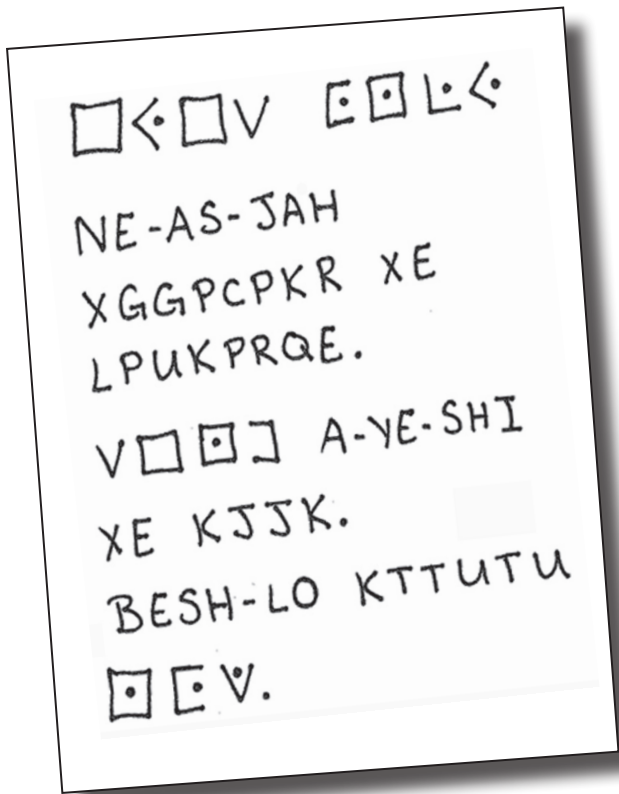




SPEAKING IN CODE



As long as there have been secrets there have been codes —they are a spy’s best friend or worst enemy. Do you have what it takes to become a code master? Try your hand at cracking this top secret message:

There are 3 code/cipher systems used in this message. The tools you will need begin at the bottom of this sheet. The methods are:

- CIPHER Wheel: each letter of the alphabet is substituted with another letter.
- Pig-Pen Cipher: each letter of the alphabet is substituted with a graphic representation or a symbol.
- Navajo Code: The Navajo Code-Talkers used the Navajo language during WWII to translate military terms into this almost unknown Native American language.

* Before starting, cut this message out and turn this sheet over so you can use your tools while looking at the message.

YOUR TOOLS:

Navajo Code-Talker Key:

The translation is not word for word so this code is a form of double-encryption.

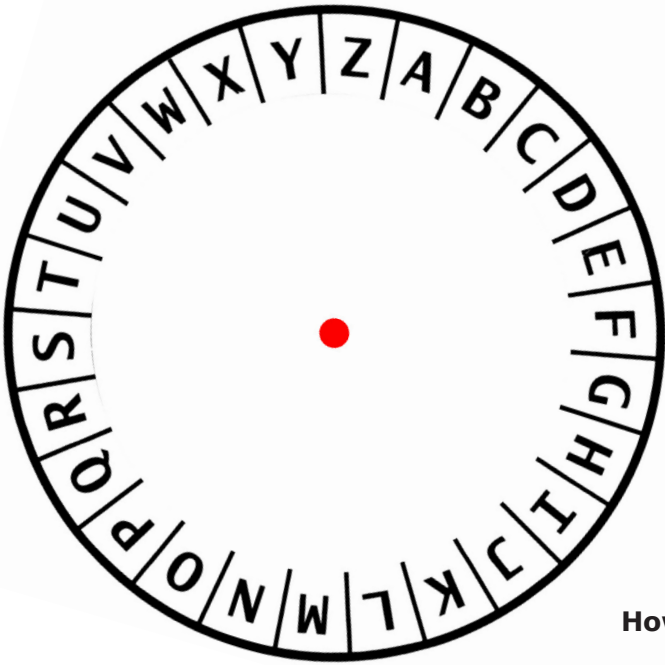
A-YE-SHI (Eggs) = Fighter Plane

DAH-HE-TI-HI (Hummingbird) = Observation Plane

DEBEH-LI-ZINE (Black Street) = Bombs

NE-AS-JAH (Owl) = Submarine

BESH-LO (Iron Fish) = Squad



How to make and use your cipher wheel:

- 1. Carefully cut out both disks.
- 2. Place the smaller disk on top of the larger disk.
- 3. Use a paper fastener (brad) to attach the inner disk to the outer disk. Push it through the middle of both disks and then bend the out the tabs underneath the disks.
- 4. You are now ready to decipher the message.
Just use the key A=X and crack the code.

PIG-PEN CIPHER KEY

Simple shapes and dots create symbols that correspond to each letter of the alphabet. The letter placed in each cell takes that cell's shape so for example:

⌋ ◻ ◩ ∇ ◻ ◭ ◩ ⌋ = TOP SECRET

A	B	C
D	E	F
G	H	I

J •	K •	L •
M •	N •	O •
P •	Q •	R •

	S	
T	X	U
	V	

	W •	
X •	Y •	Z •

Answer Top Secret Note:
EYES ONLY
SUBMARINE
ARRIVING AT MIDNIGHT.
SEND FIGHTER PLANE
AT NOON.
SQUAD NEEDED
NOW.