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:

> C • • VOL • • O • • • = TOP SECRET