

1. Encipher the message "You should be a math major" using Playfair system with key work "eternal."

2. Decipher the message:

GB ZI BG BO QX GP RW AQ OW IK

using the Playfair system with key work "witness."

3. Encipher the following Charles Dickens quote

"The most important thing in life is to stop saying 'I wish' and start saying 'I will.' Consider nothing impossible, then treat possibilities as probabilities."

using rectangular transposition with key word *owned*.

4. Decipher the following message

AEAET ERHNN HTDFP PEANE OEEIN TIRTU SNFSR WTEIE DOHRI HHHEA VCRRS
ERTAM OOTRR ILEOG VAANA YLRSG IMATN AHOEO RODOT GEHMN AERAE NIY

knowing it was encipher with rectangular transposition with key word *coupons*. Make sure restore spacing between words, capitalization and add punctuation to make it readable.

5. Decipher message

EFX XVZ XDG DOB XCJ RSR WET SDT UOD ZOE KUC QIX

using verner two-tape with keys *Chiefs* and *builder*.

6. Look on the website for homecoming events at USD. Choose an event that you would be most likely to attend and write that down. I won't make you actually go to the event but consider doing it, it builds school spirit.