

1. Encipher the message "Join the math club today" using Playfair system with key work "finally."

2. Decipher the message:

LW RP XQ FA LW NQ GM FL LW CS

using the Playfair system with key work "writing."

3. Encipher the following Charles Dickens quote

"Death may beget life, but oppression can beget nothing other than itself."

using rectangular transposition with key word *weird*.

4. Decipher the following message

EHDTH RSDAS EHFFR LVSSP TAOGT PCARU TETRY EEEIL SSJET KMOFP NEERN  
 EADAH VLHAU UTHCA ASIEA RHEIL ETMWA FTTME ETEML FLOEE MEBHP HECNS  
 DSCTP ERTEI LELCO YTOTF HMMEU FOIIU ESACY NSRTA SFAOW AOWHO MOGAR  
 EHSTO

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

5. Decipher message

THD WRD NMY RHE YCT FGM HOR CDL C

using verner two-tape with keys *Dolphins* and *ciphers*.

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.