

Name(s) _____ Period _____ Date _____

Encrypting Your Own Messages



Encrypt Your Own Message

Encryption can also be used to send secret messages and communicate securely. Use the ASCII tables to create a 3-letter message. Then choose a secret key and encrypt your message to send to a friend.

What is your message? _____ What is your key? _____

Put your unencrypted message on the top row, your repeated key on the second row, and make the encrypted message by coloring in every bit that has two of the same bits (two white or two black) below it.

Unencrypted Message																			
Repeated Key																			
Encrypted Message																			

Post the encrypted message somewhere everyone in the class can see it.

Decrypt a Classmate's Message

Write down your key and trade with someone else, then use their key to decrypt that person's message below.

Encrypted Message																			
Repeated Key																			
Decrypted Message																			

What is their message? _____