1. **Polyalphabetic Cipher**

   Each letter in the plaintext is encoded using a different alphabet (usually with some sort of repetition)

2. **Progressive Caesar Cipher / Sequential Shift**: Start with a Caesar cipher, and then shift one letter with each character you are encrypting.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Q	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
R	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
S	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
T	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
U	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T

   (a) Example: Begin with the shift cipher $A \to Q$, and encrypt the word H E L L O

   H E L L O
   X V D E I

   (b) Example: Suppose the ciphertext was encrypted with the above scheme. Decrypt the word F R J M S.

   P A R T Y

3. **Vigenère Cipher** Choose a keyword, and use that keyword to determine a shift cipher for each letter. (Repeat the keyword over and over.)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
D	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C
O	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N
G	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F

   (a) Example: use the keyword DOG and encrypt the phrase WHERESMYFOOD.

   W H E R E S M Y F O O D
   D O G D O G D O G D O G
   Z V K U S Y P M L R C J

   (b) Example: Suppose the keyword is DOG. Decrypt the ciphertext L Z O N S Y Q C C.

   L Z O N S Y Q C C
   D O G D O G D O G
   I L I K E S N O W