Midterm Activity No. 2
Substitution Cipher

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Subj. & Sec.	**IAAS2 – BSIT 4-A**	

Objective: Use substitution ciphers to create and share your own secret message. This activity will test your understanding of ciphers while letting you be creative and have fun.

Instructions:

1: Choose Your Own Phrase

- **My Secret Phrase: "Mataas tumalon, malalim bumaon"**

2: Select Two Ciphers

Pick two different substitution ciphers from the lesson:

- **Caesar Shift**
- **Atbash**

3: Double-Encrypt Your Phrase
        Step 1: Encrypt your phrase using Cipher #1.
            o Mataas tumalon, malalim bumaon
                    → **Pwddvd wxpdorq, pdodolm expdrq**

M – *p*	M – p	
A – d	A – d	
T – w	L – o	
A – d	A – d	
A – d	L – o	
S – v	I – 1	
	M – p	
Result: **pdwddv**	Result: **pdodolp**	
T – w	B – e	
U – x	U – x	
M – p	M – p	
A – d	A – d	
L – o	O – r	
O – r	N – q	
N – q		

Result: **wxpdorq**	Result: **expdrq**	

Step 2: Take the result and encrypt it again using Cipher #2.

- o Pwddvd wxpdorq, pdodolm expdrq

  → **Kdwwwe dacwlij, kwlwl on vcwkij**

p – *K*	p – k	
d – w	d – w	
w – d	o – l	
d – w	d – w	
d – w	o – l	
v – e	l – o	
	p – k	
Result: **kwdwwe**	Result: **kwlwlok**	
w – d	e – k	
x – c	x – c	
p – k	p – k	
d – w	d – w	
o – l	r – i	
r – i	q – j	
q – j		
Result: **dckwlij**	Result: **vckwij**	

4: Create a Fun Twist

"Sa court may isang basketbolistang matangkad. Kapag siya'y tumalon, mataas ang lipad. Ngunit sa kanyang bagsak, malalim ang tapak. Anong kasabihan ang aking tinutukoy?"

Answer: *"*Mataas tumalon, malalim bumaon*"*