

### Hints so far (Gladly provided by Sean)

1. The middle and bottom screen on page 1 is a keyword that's been encrypted (Use the word on the top screen on page 2 to decrypt that keyword)
2. No Edgework Required
3. Like previous modules, top screen (page 1) shows encrypted word. Which will be transformed using mid, then bottom screen page 2
4. Bottom screen will hint at a method needed to decrypt encrypted word
5. Middle screen (PAGE 2) shows numbers depending on length of string
6. Max 6, Min 2
7. Bottom Screen first 2 numbers = method to create 3rd number
8. First 2 numbers in range of 3 and 60
9. Some numbers are ignored (31 47 55 59)
10. 3rd number can be any number depending on first 2
11. Top screen (PAGE 2) is always 3 letters long
12. Middle and bottom screen (PAGE 1) will be 6 characters long

I added the keyword answers, have fun I'm going to bed:

### Example Modules

CVLAXT      AQK  
060966      2143  
316073      23 <-- 9 = 55

Ans: ZIPPED

2 1 4 3  
LC TX  
AV  
LCTXAV

060966 & 316073 & AQK = ??????  
06 09 66 31 60 73

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
QRSTUVWXYZABCDEFGHIJKLMNOP  
KLMNOPQRSTUVWXYZABCDEFGHIJ  
FIXURE

LCTXAV ← FIXURE = ZIPPED  
FIXURE ← VCALTX = ZIPPED

-----  
UOQTWE      LNO  
333116      123  
034244      9 NOR 19 = 36  
Ans: WAGERS

1 2 3  
UQW  
OTE  
UQWOTE

333116 & 034244 & LNO = TRANCE

LMNOPQRSTUVWXYZABCDEFGHIJK  
NOPQRSTUVWXYZABCDEFGHIJKLM  
OPQRSTUVWXYZABCDEFGHIJKLMN

TRANCE

UQWOTE NOR TRANCE = WAGERS

-----  
JTCJCU      VWF  
740969      2413  
560878      50 NAND 27 = 45  
Ans: PILLOW

740969 & 560878 & VWF = ??????  
2413  
TCJJ  
CU

TCJJCU NAND ?????? = PILLOW

-----  
XFOYPQ      UYG  
310750      641235  
556671      43 --> 48 = 52  
Ans: MOTHER

UVWXYZABCDEFGHIJKLMNQRST  
YZABCDEFGHIJKLMNQRSTUVWX  
GHIJKLMNQRSTUVWXYZABCDEF

C A V I T Y

310750 & 556671 & UYG = CAVITY  
QYXFOP → CAVITY = MOTHER  
110010 → 110101 = 111101

-----  
ZEJADF      KDK  
466902      142356  
046343      50 <-- 23 = 58  
Ans: HEALTH

466902 & 046343 & KDK = WALNUT

KLMNOPQRSTUVWXYZABCDEFGHIJ  
DEFGHIJKLMNOPQRSTUVWXYZABC  
KLMNOPQRSTUVWXYZABCDEFGHIJ

ZAEJDF ← WALNUT = HEALTH  
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SN=1A1AA1 no widgets, 6 modules:

NOSQTM      NIA  
405301      1342  
617152      38 XOR 37 = 3

100110  
100101  
000011

Answer: Lawyer  
405301 + 617152 + NIA = VANISH  
40 53 01 61 71 52  
V A N I S H

NOPQRSTUVWXYZABCDEFGHIJKLM  
IJKLMNOPQRSTUVWXYZABCDEFGH  
ABCDEFGHIJKLMNOPSQRSTUVWXYZ

[1342](#)

[NOSQ](#)

[TM](#)

NTQOMS?

1342

NQMS

OT

NQMSOT + VANISH + XOR = LAWYER??

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FPAQNB      VBB

193418      12

276330      54 NAND 56 = 15

Answer: Harden

193418 + 276330 + VBB = NIMBLE

19 34 18 27 63 30

S H R A K D

N I M B L E

VWXYZABCDEFGHIJKLMNOPSRTU

BCDEFGHIJKLMNOPSRTUVWXYZA

BCDEFGHIJKLMNOPSRTUVWXYZA

12

FQ

PN

AB

FQPNAB

FQPNAB + NIMBLE + NAND = HARDEN??

SMPFYA      DZC

576578      12  
390270      25 <- 30 = 57  
011001  
011110  
111001

Answer: Unwove

576578 + 390270 + DZC = GOBLET

1 2

SM

PF

YA

1 2

SF

MY

PA

SFMYPA + GOBLET + <= = UNWOVE

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DOZVET      DQQ  
101232      42513  
066755

42513  
VOTDZ  
E

VOTDZE + MOVIES + NOR = DEPTHS

DQQ 42513 53 NOR 34 = 8

Answer: Depths

101232 + 066755 + DQQ = MOVIES

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DCNCCC      QUU  
724171      1432  
602263      38 NOR 11 = 16

D CNC  
C

QRSTUVWXYZABCDEFGHIJKLMNOP  
UVWXYZABCDEFGHIJKLMNOPQRST  
UVWXYZABCDEFGHIJKLMNOPQRST  
NIMBLE

Answer: Voodoo  
 $724171 + 602263 + QUU = NIMBLE$

-----  
GAVNCB      PMB  
272907      156342  
495670      26 XNOR 28 = 57

72 41 71 60 22 63  
T O  
U U

GCBVNA + MOVIES + XNOR = KINDLE

Answer: Kindle  
 $272907 + 495670 + PMB = MOVIES$

-----  
TOASZL      HMR  
532064      4312  
482413      48 AND 17 = 16

Answer: HEREBY

ZATOLS + RACHET + AND = HEREBY

$532064 + 482413 + HMR = RACHET$   
4 3 1 2  
Z A T O  
L S  
ZATOLS (decoding rather than encoding)

-----  
OEZAQF    MOY  
621502    235416  
426659    3 AND 9 = 1

MNOPQRSTUVWXYZABCDEFGHIJKL  
OPQRSTUVWXYZABCDEFGHIJKLMN  
YZABCDEFGHIJKLMNOPQRSTUVWXYZ

OEZAQF  
235416

EZQAOF

0011  
1001

0001

EZQAOF AND  
HANDLE

SHAKEN

-----  
ECWPNY HIE  
193348 21  
572022 9 XNOR 35 = 21

21  
PE  
NC  
YW

PENCYW

HIJKLMNPOQRSTUVWXYZABCDEFG  
IJKLMNPOQRSTUVWXYZABCDEFGH  
EFGHIJKLMNPOQRSTUVWXYZABCD

ZODIAC

PENCYW XNOR  
ZODIAC  
-----

ZDWAGF YWV  
105871 21453  
064262 7 AND 10 = 2

YZABCDEFGHIJKLMNOPQRSTUVWXYZ  
WXYZABCDEFGHIJKLMNOPQRSTUVWXYZ  
VWXYZABCDEFGHIJKLMNOPQRSTUVWXYZ

21453  
DZGFA  
W

DZGFAW  
HANDLE

THINKS

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BIOUCP LAI  
167411 21345  
537331 12 NOR 23 = 32

21345  
IBUCP  
O

IBUCPO

LMNOPQRSTUVWXYZABCDEFGHIJK  
ABCDEFGHIJKLMNOPQRSTUVWXYZ  
IJKLMNOPQRSTUVWXYZABCDEFGH

IBUCPO NOR  
ADVICE

UNWOVE

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XOFJDE ABL  
363930 1342  
017144 51 XNOR 6 = 10



1342  
XJEF  
OD

XJEFOD XNOR KNEADS = PLANET  
ABCDEFGHIJKLMNOPQRSTUVWXYZ  
BCDEFGHIJKLMNOPQRSTUVWXYZA  
LMNOPQRSTUVWXYZABCDEFGHIJK

PLANET

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DOGNFA UZH  
073102 123  
153076 43 AND 48 = 32

UVWXYZABCDEFGHIJKLMNOPQRST  
ABCDEFGHIJKLMNOPQRSTUVWXYZ  
HIJKLMNOPQRSTUVWXYZABCDEFG

DOGNFA  
123  
DGF  
ONA

DGFONA  
ADVICE

TINGLE

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ISZCDE MPZ  
221567 12  
414958 54 XOR 5 = 51

MNOPQRSTUVWXYZABCDEFGHIJKL  
QRSTUVWXYZABCDEFGHIJKLMNO  
ABCDEFGHIJKLMNOPQRSTUVWXYZ

12  
IC  
SD  
ZE

ICSDZE  
HANDLE

YOUTHS

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BYCKTB XTG  
110460 35124  
765877 41 XOR 58 = 19

CBBYT  
K

CBBYTK

XYZABCDEFGHJKLMNOPQRSTUVWXYZ  
TUVWXYZABCDEFGHJKLMNOPQRS  
GHIJKLMNOPQRSTUVWXYZABCDEF

CBBYTK  
HANDLE  
100101  
010001  
110100  
INFORM

---

QOUXRA NTB  
311263 312  
487056 60 XOR 57 = 5

JACKET

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Step 1:

ScopingLandscape:

Take the middle and the bottom screen of page 1, and divide it into pairs. Write the middle screen first, then the bottom screen.

You make 3 alphabets and stack them, one on top of the other

Then, you shift it so that the first letter of each alphabet spells out the 3-letter key.

You count it, starting from the first alphabet, with the first one being 1. Then you move to the

next alphabet, with the first one being 27. Then you move to the last alphabet, with the first one being 53.

Ex:

584720

073159

PAL

58 47 20 07 31 59

PQRSTUVWXYZABCDEFGHIJKLMNO

ABCDEFGHIJKLMNOPQRSTUVWXYZ

LMNOPQRSTUVWXYZABCDEFGHIJK

58 47 20 07 31 59 = QUIVER

Step 2: Incomplete Columnar Transposition

Take numbers and underneath it, put 6 dashes so that it fits in the columns of the numbers.

Ex:

12 123 1234 12345 123456

-- --- ---- -

-- --- -- -

--

Then, take the encrypted word from the top screen on page 1 and fill out the rows under the numbers in ascending order. Finally read the letters in reading order to get your new enciphered word. (Decoding using incomplete columnar transposition)

STEP 3: Logic Cipher

XMASTER6726: There is a logic gate that fills in the ? space of the 3 numbers. To figure it out, convert the 3 numbers to a 6-digit binary number. Using this table to figure out which logic operator it's using:

Kavinkul: Use the keyword that you received from step 1, the encrypted word received from step 2, and use the logic gate from earlier to determine the logic value to be used for each letter in the enciphered:

Assign the bit of Alphabets with even position (B D F) to be 0, and odd position (A C E) to be 1 to each letter in each word. Putting the bits of enciphered word to the left and keyword to the right, with the logic obtained in the middle:

ICS DZE XOR HANDLE = 111001 XOR 010001 = 101000

Then, use each letter of the enciphered word along with the logic value of the result in the same position in the word, find the letter in the correct column and read the leftmost column to get unencrypted letter. (I - 1 => Y, C - 0 => O, S - 1 => U, D - 0 => T, Z - 0 => H, E - 0 => S)

Left Bit	Right Bit	AND	OR	XOR	→	NAND	NOR	XNOR	←
0	0	0	0	0	1	1	1	1	1
0	1	0	1	1	1	1	0	0	0
1	0	0	1	1	0	1	0	0	1
1	1	1	1	0	1	0	0	1	1

LCTXAV ← FIXURE = ZIPPED  
 XJEFOD XNOR KNEADS = PLANET

Letter	True (1)	False (0)	Letter	True (1)	False (0)
A	E	Q	N	B	F
B	H	L	O	Y	C
C	U	Y	P	T	X
D	N	V	Q	K	M?
E	A	O	R	P	T
F	R	B	S	W	E

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

Letter	True (1)	False (0)
A	E?	Q?
B		L?
C		
D	N?	V?
E	A?	O?
F		B
G	O?	W?
H	F?	Z?
I	C?	G?
J		
K	G?	A?
L	J?	N?

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