

Caesar Cipher Room

Video Tutorial: <https://youtu.be/lt68BakeVWM>

Today, we're going to be exploring the Caesar Cipher. This is basically where you have some text that you want to hide in a secret language, so you shift each letter in the text by a fixed number of spots down the alphabet. Ever heard of Julius Caesar? He used this method in his private conversations with others, hence the name "Caesar Cipher".

Maybe you want to shift everything 5 spots to the right. The letter A would become F, and the letter B would become G.

What about shifting the letters in a word? Take "cat" for example. If we shift it 3 spots to the right, we get the following:

c -> f

a -> d

t -> w

Our final ciphered word is fdw!

The table below shows you the conversions of the letters when shifted 1-2 spaces to the right and left in the alphabet. For the ciphered text in the following problems, the words are ciphered no more than two spaces left or right of the original text.

	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t
-2	y	z	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
-1	z	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s
+1	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u
+2	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v

	u	v	w	x	y	z
-2	s	t	u	v	w	x
-1	t	u	v	w	x	y
+1	v	w	x	y	z	a
+2	w	x	y	z	a	b

Problem 1 is on the next page...

Part a:

Hint:

(To see the hint, select the entire black block with your cursor, copy and paste it into a separate window)

You attempt to decipher the cipher
Before the clock strikes midnight
You look all four directions, then
ljhimjhiu uif cpuupn sjhiu

Part b:

ovncfs pg fhht jo b epafo + uif dvssfou zfbz

Add up the 4 digit code you get here with the 4 digit code you discovered in part a. That is your final code for this room.

Hint:

(To see the hint, select the entire black block with your cursor, copy and paste it into a separate window):