CRYPTOGRAPHY WORKSHEET

Exercise 1

Shift the characters to the next alphabet in the sequence. For Z, circle back to A.
Example

Plain Text	M	O	N	K	E	Y
Cipher Text	N	P	O	L	F	Z

Plain Text	h	a	v	i
Cipher Text				

Plain Text	I		L	o	v	e		T	o	y	s
Cipher Text											

Plain Text	W	e	l	c	o	m	e		A	m	i
Cipher Text											

Plain Text											
Cipher Text											

Your name

What you have just done is called Encryption. Converting a normal text (Plain text) to secure text (Cipher Text) is Encryption

This worksheet is related to the post: www.havi.co/blogs/cryptography-for-kids-worksheet.
Educators can please refer the post to know more about Cryptography.

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Exercise 2

Shift the characters to the previous alphabet in the sequence. For A, circle back to Z.

Cipher Text	P	S	B	O	H	F
Plain Text	O	R	A	N	G	E

Cipher Text	H	v	b	w	b
PlainText					

Cipher Text	S	p	c	p	u	j	d	U	p	z	t
Plain Text											

Cipher Text	F	y	b	n	J	t	O	f	b	s
Plain Text										

Cipher Text	W	b	d	b	u	j	p	o
Plain Text								

What you have just done is called Decryption. Converting a secure text (Cipher Text) to normal text (Plain text) is Decryption.

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Exercise 3

A key is given along with the tables. Use the key to create your cipher text, that means to encrypt your message.

Key = 3

Plain Text	C	A	R	R	O	M
Cipher Text	F	D	U	U	R	P

Plain Text	c	h	e	s	s	Key = 4
Cipher Text						

Key = 5

Plain Text	I		L	o	v	e		Y	o	g	a
Cipher Text											

Plain Text	S	t	a	y		H	e	a	l	t	h	y
Cipher Text												

Key = 2

Plain Text									
Cipher Text									

Your name, key = 4

This method of shifting a character by a key is known as Caesar Cipher.

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Exercise 4

A key is given along with the tables. Use the key to create your plain text, that means to decrypt the message.

Key = 3

Cipher Text	H	O	H	P	H	Q	W
Plain Text	E	L	E	M	E	N	T

Key = 3

Cipher Text	i	o	l	s	
Plain Text					

Key = 4

Plain Text	K	i	e	v	i	h		Q	s	x	s	v
Cipher Text												

Key = 7

Cipher Text	P	u	m	y	h	y	l	k	
Plain Text									

Key = 2

Cipher Text	E	t	a	r	v	q	i	t	c	r	j	a
Plain Text												

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