

Binary Ciphers

Your planet is in meltdown. Everyone has lost the ability to speak and write. The only way to send messages is through a code that uses 1s and 0s. This code is known as Binary.

A crime has been committed and it is your job to solve it.

PART 1 (Binary pictures)

Your teacher will show you how to use the codes below to draw pictures. Once you have got the hang of it you will be able to start solving the crime.

Warm up Pictures

00000001000000011111000000010000000

0000000011111000101000010100101010001101000000000

101010101

Who was the victim? The clues will give you the initials...

11100100101000111110100011000111110

0000000010001001001000101000011000001010000100100010001001000100000
0000000000

Possible victims.....

Who was the murderer? The murderers face will appear...

0000011111111100000000011111111111000000011110000011110000001110010
100111000001111010101010111100001110010001001110000111010000010111000
1111000000000111100111111111111111110011101110000110111011101000100
1001011110000000000000000010000111100001111000000010001001000100000
0010111001110100000001011100111010000000111110011111000000000001001
0000000100100010000100010010011101000010111001001110010010011100010
011111111111100101000011111111000010010000000000000010000100000000
00010000001111111111110000011000000000000110010000000000000000001

Murderer: _____

(You can probably figure out the victim now...)

But how did he do it? You have just one more mystery to solve. The answer is in Binary, but this time it's a message.

Before you de-code it you'll need to work out how the alphabet is transmitted using Binary. Fill in the next sheet and then work out what actually happened....

01001000 01100101 00100000 01110100 01101000 01110010 01100101

01110111 00100000 01100001 00100000 01110011 01101000 01100101

01101100 01101100 00100000 01100001 01110100 00100000 01101000

01101001 01101101 00100000 01110010 01100101 01110000 01100101

01100001 01110100 01100101 01100100 01101100 01111001 00100000

01101001 01101110 00100000 01110100 01101000 01100101 00100000

01100011 01100001 01110011 01110100 01101100 01100101 00100000

01101001 01101110 00100000 01101111 01110010 01100100 01100101

01110010 00100000 01110100 01101111 00100000 01110111 01101001

01101110 00100000 01110100 01101000 01100101 00100000 01101101

01100001 01110011 01110100 01100101 01110010 00100000 01110011

01110100 01100001 01110010 00101110

CAPITAL LETTERS**LOWER CASE LETTERS**

A	01000001	a	01100001
B		b	
C		c	
D		d	
E		e	
F		f	
G		g	
H		h	
I		i	
J		j	
K		k	
L		l	
M		m	
N		n	
O		o	
P		p	
Q		q	
R		r	
S		s	
T		t	
U		u	
V		v	
W		w	
X		x	
Y		y	
Z		z	
SPACE	00100000		