

# 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

#### PICTURE 1

00000001000000011111000000010000000

It's a \_\_\_\_\_

#### PICTURE 2

0000000011111000101000010100101010001101000000000

It's a \_\_\_\_\_

#### PICTURE 3

101010101

It's a \_\_\_\_\_

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

0000000010001001001000101000011000001010000100100010001001000100000  
0000000000

11100100101000111110100011000111110

Possible victims.....

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

000001111111100000  
00001111111110000  
0001111000001111000  
0001110010100111000  
0011110101010111100  
0011100100010011100  
0011101000001011100  
011110000000011110  
011111111111111110  
0111011100001101110  
1110100010010010111  
1000000000000000001  
0000111100001111000  
0000100010010001000  
0000101110011101000  
0000101110011101000  
0000111110011111000  
0000000010010000000  
1001000100001000100  
1001110100001011100  
1001110010010011100  
0100111111111111001  
0100001111111100001  
0010000000000000010  
0001000000000000100  
0000111111111111000  
0011000000000000110  
0100000000000000001

**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		