



## Binary Bracelet Activity

### Materials:

- 2 Labeled Baggies
  - Each Baggie includes:
    - Color-coded beads (1 baggie has “Binary #0” Beads and the other has “Binary #1” Beads )
- 1 long piece of yarn

### Instructions:

**Step 1:** Use the chart below to make your name out of 0's and 1's

Letters To Binary							
A	1000001	H	1001000	O	1001111	V	1010110
B	1000010	I	1001001	P	1010000	W	1010111
C	1000011	J	1001010	Q	1010001	X	1011000
D	1000100	K	1001011	R	1010010	Y	1011001
E	1000110	L	1001100	S	1010011	Z	1011001
F	1001000	M	1001101	T	1010100		
G	1000111	N	1001110	U	1010101		

Your Name in Binary:

(ex. John - 1001010 1001111 1001000 1001110)

**Step 2:** Arrange the beads to form your name in binary (red bead = “0” and blue bead = “1”) as shown below:

**Step 3:** Place the beads in order on the long piece of string.

**Step 4:** Wear the bracelet!



**Bonus:** Decipher this message using the “Letters To Binary” chart:

“1000010 1001001 1001110 1000001 1010010 1011001 1001001 1010011  
1000011 1001111 1001111 1001100!”

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