

AUNTY'S BINARY CODE BRACELETS



There is a science to talking with computers and sometimes you only need the numbers **zero** and **one**! This computer language is called **binary** and each letter is represented by a series of numbers.

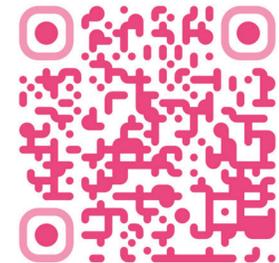
**AUNTY,
TECH FAIRY**



R	01000001	J	01001010	S	01010011
B	01000010	K	01001011	T	01010100
C	01000011	L	01001100	U	01010101
D	01000100	M	01001101	V	01010110
E	01000101	N	01001110	W	01010111
F	01000110	O	01001111	X	01011000
G	01000111	P	01010000	Y	01011001
H	01001000	Q	01010001	Z	01011010
I	01001001	R	01010010		



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Activity Guide

- 1 Choose 2 letters to spell on the bracelet. For example,
 - First and last initial
 - Child's first initial and parent's first initial
- 2 Assign a color bead to represent 0 and 1.
- 3 Refer to the code to translate each letter and place the matching color bead in the squares below to map out your bracelet.
- 4 Keeping the order, slide each bead from **Letter 1** onto the bracelet. Place a white bead as a space. Then slide each bead from **Letter 2** onto the bracelet.
- 5 Fasten the bracelet to the child's wrist by twisting the ends of pipe cleaner once and wrapping the remaining length around the bracelet.

Supplies

- 1 pipe cleaner
- beads to represent 0, 1, and a space (white)

Letter 1								
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Letter 2								
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BINARY CODE

UPPER CASE LETTERS

A	01000001
B	01000010
C	01000011
D	01000100
E	01000101
F	01000110
G	01000111
H	01001000
I	01001001
J	01001010
K	01001011
L	01001100
M	01001101

N	01001110
O	01001111
P	01010000
Q	01010001
R	01010010
S	01010011
T	01010100
U	01010101
V	01010110
W	01010111
X	01011000
Y	01011001
Z	01011010