



Code Your Name Necklace



Computers assign a string of 0s and 1s to different letters, symbols, and instructions. This is called **binary code**.

In this activity, you will create a necklace with your name written in binary code!

MATERIALS NEEDED

Coloured Beads
String, cord or yarn
Binary Code sheet

INSTRUCTIONS:

Choose 3 different coloured beads to make your necklace.

- One colour represents the 0s
- One colour represents the 1s
- One colour represents the spaces between letters

Use the Binary Code sheet as a guide to help you build the letters in your name.

Tie a knot at one end of your string, then add the beads in order of your name. Tie off when complete.

Show off your new jewelry!



Long name? Try using your initials!



Binary Code Sheet

Use this sheet to create the letters in your name! Assign one colour to the black squares, one to the white squares and one as the space between the letters.

Letter	Binary	Letter	Binary
A	■ □ ■ ■ ■ ■ ■ □	N	■ □ ■ ■ ■ □ □ □ ■
B	■ □ ■ ■ ■ ■ ■ □	O	■ □ ■ ■ ■ □ □ □ □
C	■ □ ■ ■ ■ ■ ■ □	P	■ □ ■ □ ■ ■ ■ ■ ■
D	■ □ ■ ■ ■ ■ ■ □	Q	■ □ ■ □ ■ ■ ■ ■ □
E	■ □ ■ ■ ■ ■ ■ □	R	■ □ ■ □ ■ ■ ■ ■ ■
F	■ □ ■ ■ ■ ■ ■ □	S	■ □ ■ □ ■ ■ ■ ■ □
G	■ □ ■ ■ ■ ■ ■ □	T	■ □ ■ □ ■ ■ ■ ■ ■
H	■ □ ■ ■ ■ ■ ■ □	U	■ □ ■ □ ■ ■ ■ ■ □
I	■ □ ■ ■ ■ ■ ■ □	V	■ □ ■ □ ■ ■ ■ ■ ■
J	■ □ ■ ■ ■ ■ ■ □	W	■ □ ■ □ ■ ■ ■ ■ □
K	■ □ ■ ■ ■ ■ ■ □	X	■ □ ■ □ ■ ■ ■ ■ ■
L	■ □ ■ ■ ■ ■ ■ □	Y	■ □ ■ □ ■ ■ ■ ■ □
M	■ □ ■ ■ ■ ■ ■ □	Z	■ □ ■ □ ■ ■ ■ ■ ■

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