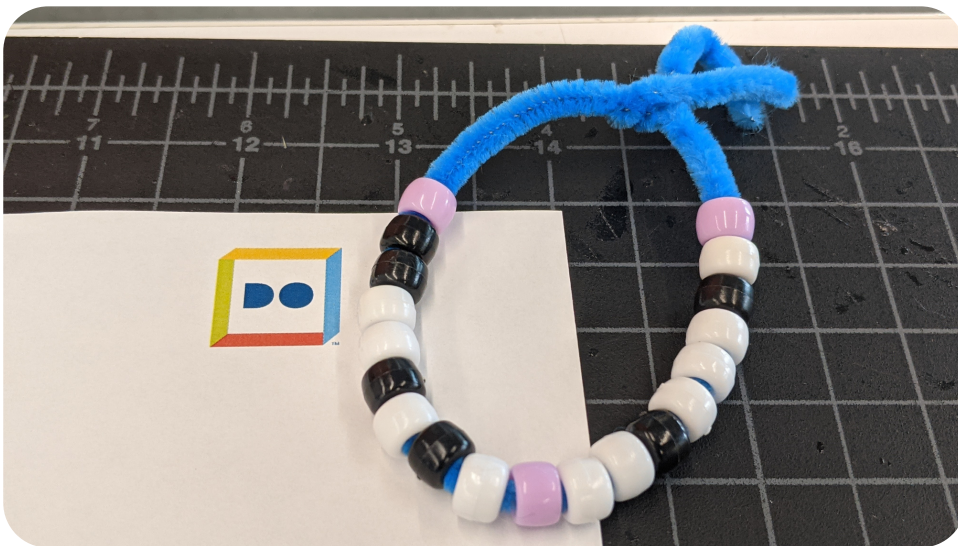


Do Space Summer 2021

BINARY BRACELET



INTRODUCTION

Have you ever wondered how computers pass messages to each other? How are they able to communicate so efficiently with no delays or mistakes? Do computers speak English?

Binary code is how they do it, using a lot of 1's and 0's. For this TAKE & MAKE, we will be exploring how to write our initials using binary.

INTRODUCTION

WHAT YOU'LL NEED:

Here's what you'll find in the kit:

- 16 white beads
- 16 black beads
- 3 colored beads
- 1 pipe cleaner
- Binary Alphabet sheet

You may also need:

- Scissors
- Pen
- Paper

Subjects:

- Computer
- Code
- Binary
- Art

Maker

Capacities:

- Tinker to Explore
- Finding Opportunities

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Key Terms

- Binary code

Let's Make This!

Binary Initials created by: _____

Diagram showing the template for creating binary initials. It includes two hexagonal boxes labeled "First Initial" and "Second Initial", each preceded and followed by a "Delimiter" box containing a star. Below each hexagon is a row of eight boxes for writing the binary code.

Write the binary code for your first initial here.

Write the binary code for your second initial here.

PREPARATION

- Write out your name
- Choose your initials
- Look up the Binary code for your initials
- Mark the boxes that are 0 and those that are 1
- Choose 3 colors of beads to use white for 0 and black 1 delimiter colored
- Find the beads you need and set them on your paper in the right places.

ASSEMBLY

- String the beads in order. Don't forget the delimiters!
- Check your work! Did you put on the beads correctly?
- Tie the pipe cleaner together to fit your wrist

Key Terms

- Binary: two choices (0 and 1)
- Delimiter: Used as the spacer at the start, middle, and end

Mix-it up!

Do you have enough beads to make another bracelet?



Share what you made! @DoSpaceOmaha #DoSpaceSummer

