GSCCC STEAM

Code Your Name in Binary!

Supplies:

- String or Cord
- Beads: 3 different colors
- Paper
- Pencils/Pens

Directions:

1. Girls should write their name on a piece of paper.
2. Using the Binary Code image below, match up each letter with its code to create a map
3. Using the map, girls string beads aligning the design with their code.
   a. The third color bead is to be used as a space between letters
4. Once their name is complete, the string can be tied and worn as a necklace or bracelet (depending on the length of the girls name)

STE(A)M Subject(s):

Computer Science and Math

Related Badge(s) or Journey(s):

(B) Computer Expert (J) Jeweler, Detective

Additional Resources:

Binary numbers and coding:
https://www.kidscodecs.com/a-binary-numbers-tutorial-with-1-and-0/

Binary numbers:
http://csunplugged.org/binary-numbers/

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	■□■□ □■□■