**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 girl's 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/](https://www.kidscodecs.com/a-binary-numbers-tutorial-with-1-and-0/)
- Binary numbers: [http://csunplugged.org/binary-numbers/](http://csunplugged.org/binary-numbers/)

**NOTE:** The links provided here are to other sites that are not maintained by Girl Scouts of California’s Central Coast or Girl Scouts the USA (collectively, “Girl Scouts”). The links are provided solely for the purpose of providing additional information related to the activity presented here. Girl Scouts is not responsible for the content of those sites. The inclusion of any link to such sites does not imply endorsement by Girl Scouts and make no representations whatsoever about any other Web site which you may access through this one.