STEM Binary Code Shapes

Description
Computer language is like a secret code. What will you "write?"

Supplies
- Pipe Cleaners
- Beads
- Paper or Fabric
- Scissors
- Glue

Directions
1. Check out the binary code reference sheet. Think up a word up to 7 or 8 letters long for coding.
2. Twist the ends of two pipe cleaners together to make a long pipe cleaner.
3. Use red beads for zeroes, green beads for ones, use white beads for spaces.
4. Slide beads on to the pipe cleaner according to the code pattern to make a word.
5. Twist the free ends of the pipe cleaners together to close the ring, then form a shape.
6. You can finish it by gluing fabric or paper to the back. Use the glue and scissors to do so.
7. Tie on a bow to hang it up.

And then...
- Teach your family binary and play a code breaking game!