

# 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!