

Binary Code

What you need:

- Beads 3 different colours
- String/ twine which fits through beads
- Paper and pencil
- Scissors
- Binary code sheet

What to do:

- Separate your beads into three piles. One pile is white square, one pile is blue square, and third pile is 'stop' beads
- Decide on what letters you want to code. Your initials are good so may be UHI.
- Look at the code sheets, find you letters and write down the code
 i.e. U =
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- Pick up string and tie a big knot, now thread the bead on to string in the same sequence laid out in your letters.
- Between each letter add 'stop bead.
- Tie at end
- Take your code to parent or friend and ask them to break the code remember to give them the binary key.
- Is it difficult? Remember to make sure you give them the line of beads with first letter on left, ending with a 'stop bead'.

Binary Code key



The Science

Computers use binary to store information. Imagine binary as a language that a computer can understand there are only two letters in this language, 1 and 0.

Each alphabetic character needs a combination of eight beads