DNA Sequence Bracelets



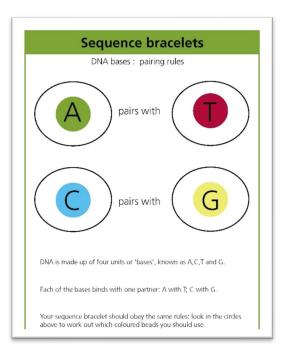
Materials:

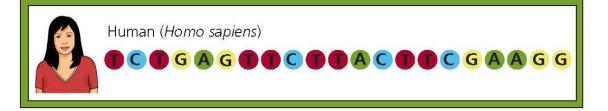
- Beads (red, green, yellow, and blue)
- String (elastic string works best)
- Sequence (below)

Procedure:

- 1. Find or cut two pieces of elastic or string each about 30cm long.
- 2. Tie a knot about 5 cm from one end of each string; then tie the two strings together at the knots.
- 3. Look at the first letter in your sequence and find the right color bead to thread.
- Thread that bead onto string 1 and thread the bead for the matching base onto string 2.
- 5. Knot each string after the last bead, and then tie the two new knots together.
- 6. Now tie the ends of your double-stranded sequence bracelet together.







How is this related to real life?

Just like in DNA, there are four different kinds of units that make up the sequence – red and green, yellow and blue. Your bracelet will contain two strands of beads that match up the same way the units (or bases) in DNA do. That means if you know the sequence of one strand, you can work out the sequence of the other.