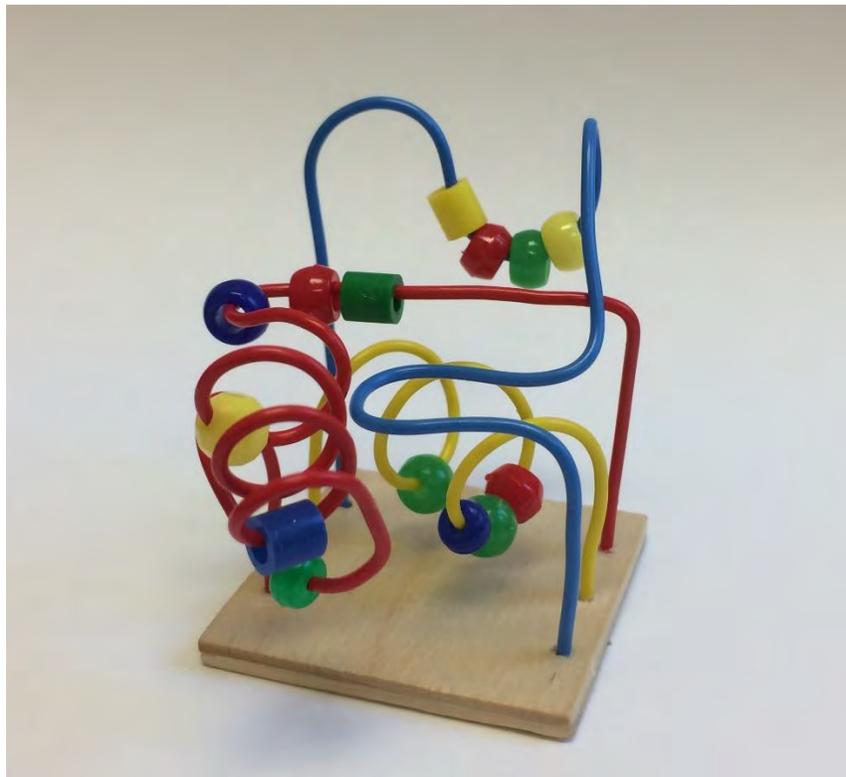


THE MINITIME MACHINE PRESENTS

HOW TO

A SERIES OF
PROJECTS FOR
THE BEGINNING
MINIATURE MAKER

JUNE 2017: CHILD'S BEAD MAZE



Materials and Supplies:

Two 1 1/2" Woodsie squares

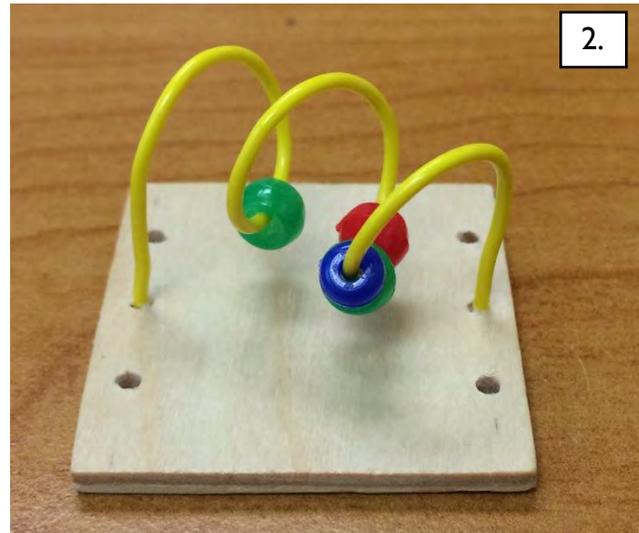
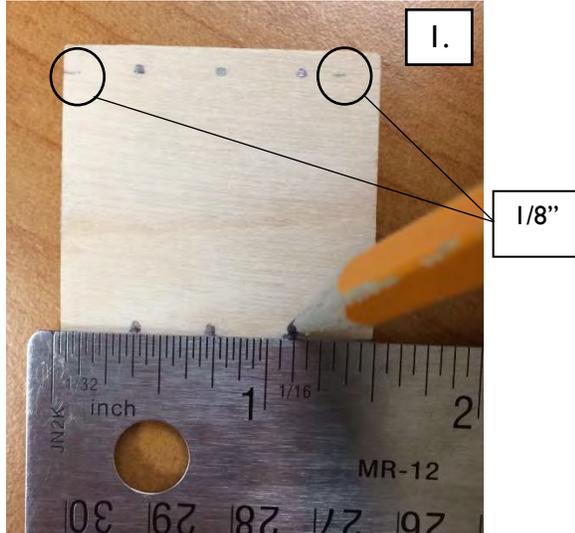
12" plastic coated wire of each color: red, blue, yellow (such as Twisteez Sculpture wire, available from Amazon, Walmart and where kids craft supplies are sold)

14 small plastic beads in an assortment of the following colors: red, blue, yellow, green

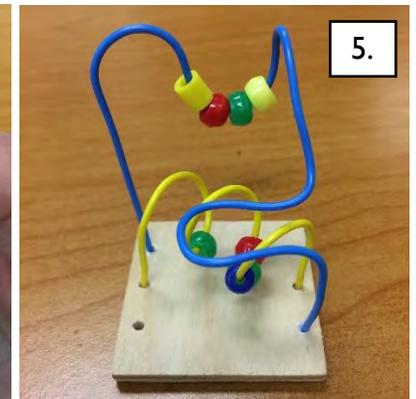
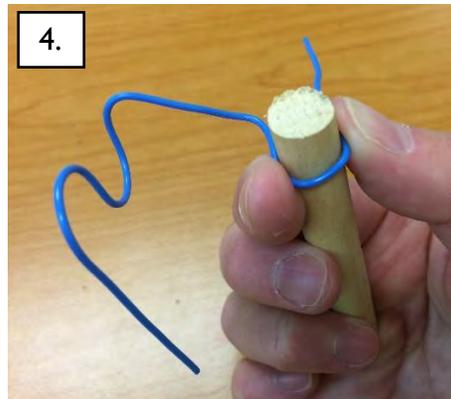
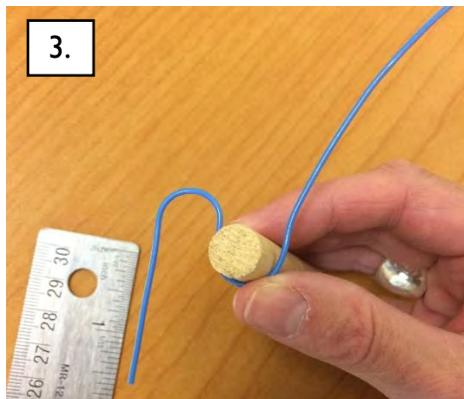
Tacky glue, pencil, ruler, fine grit sand paper, hand drill, dowel with 1/2" diameter, toothpick

Instructions:

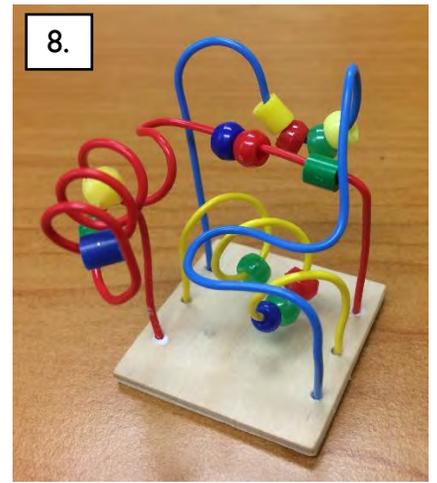
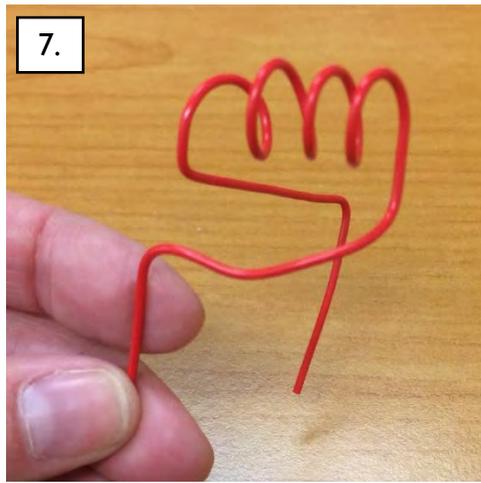
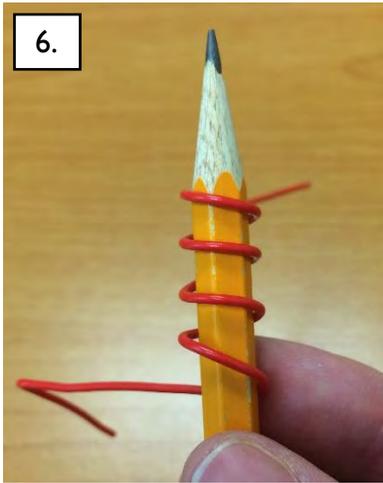
1. Create the base of your maze by gluing the two Woodsie squares together with Tacky glue. Allow the glue to dry and then gently sand the edges of the square to be sure they are even.



2. Next you will mark and drill the six holes which will hold the wires of the maze. You will create 2 rows of 3 holes on opposite sides of the maze base. To make sure the rows of holes are in a straight line, use a pencil to mark $1/8$ " from the edges at the corners. Line your ruler up with the $1/8$ " marks and then mark three holes at the following distances: $3/8$ ", $3/4$ " and $1 1/8$ ". See illustration 1. Once you have the 6 holes marked, erase the $1/8$ " pencil marks.
3. Drill the six holes using a small hand drill.
4. Cut the yellow wire to $5 3/4$ ". Wrap the wire around $1/2$ " dowel three times. Thread three or four beads of various color on the wire. Use a toothpick to put a drop of Tacky glue in the center holes on each side of the maze base. Stick the ends of the yellow wire in the holes and hold until set. See illustration 2. Remove excess glue by the holes with the tip of the toothpick.



5. Cut the blue wire to 8". At $1 1/2$ " bend the wire over the $1/2$ " dowel to form an arch. Next bend the wire up around the dowel a second time to form a "U". See illustration 3. Now Bend the tail of the wire forward. At approximately 1" bend the wire to the left, then wrap it back around the dowel. See illustrations 4. Finally bend the tail down. Thread several beads of various color on the wire. You will insert this wire into the holes that are catty-corner. Use a toothpick to put a drop of Tacky glue in the holes. Insert the ends of the blue wire into the holes and hold until set. See illustration 5.



6. Cut the red wire to 10 1/2". At 1 1/4" bend the wire at a 45 degree angle. At 1 1/2" bend the wire up at a 45 degree angle. Now wrap the tail around the barrel of a pencil four times. See illustration 6. Next, bend the row of loops down and horizontal. Bend the tail of the wire below the loops, then bend the last 1" at a 45 degree angle downward. See illustration 7.
7. Thread the red wire with the remaining beads. Use a toothpick to put a drop of Tacky glue in the remaining two corner holes on your base. Insert the end of the red wire with the 45 degree angle under the blue wire and into the back corner hole. Position the loops over the other wires and stick the remaining end of the wire into the front corner hole. See illustration 8. Hold the wire in place until the glue is set. Remove excess glue by the holes with the tip of the toothpick.