

**Exceptional Education / SUNY, Buffalo State**  
**Instructional activity assignment - in lieu of the service learning assignment**  
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**Targeted skills:** (Academic/cognitive)

In this activity, students will be able to:

1. Identify numbers 1-10

**Materials required (include price, quantity required, and links to follow to order materials)**

Many of the following materials can already be found in the home, can be purchased at a low price, or free of charge.

- 1 empty box---free from businesses or with deliveries to the home
- Tape or glue--- \$2.49 (tape) or \$1.49 (glue)
- 10 empty rolls of toilet paper---\$13.49 (free rolls with toilet paper purchase)
- 1 marker--- \$2.39
- 1 marble---\$1.40
- 1 scrap sheet of paper---.50 cents

**Instructions:**

To make the box maze: (to be completed by or with an adult)

1. Place an empty box on a flat surface
2. If necessary, cut the box using scissors or a knife to make the walls low and open (see visual below)
3. Number each of the 10 empty toilet paper rolls 1-10 using a marker
4. Glue or tape the empty toilet paper rolls randomly in the box (you may cut them, so they are smaller)
5. Place the marble (or small ball) in the box

To complete activity:

1. Pick up the box maze
2. Tilt it in all possible directions so that the marble goes through a roll
3. Identify the number on the roll the marble went through
4. Say the number out loud
5. On a piece of paper, write down the number that has been identified
6. Continue this process until all of the numbers have been identified

**Modifications that may need to be made based on child's needs (list at least 2-3)**

1. A child may be able to identify the number but may struggle to write it out on paper. With the help of a parent or caregiver, the child can trace over the numbers. The adult will write the number (can be dotted) on the paper. Using a different colored writing utensil, the child can then trace over the number for practice.
2. A child may have difficulty physically tilting the box maze. If so, an adult can move the maze for them in order to get the marble to go through the numbered rolls. The child could also push the marble in a way that is appropriate for them so that it goes through the rolls.
3. A child may feel that identifying and writing the numbers are too simple. In order to make it more challenging, the child can add the first two numbers that the marble rolls through. Then the child can add again with the following two numbers and continue the process.

**Notes - what existing skills are required to complete activity? What skills would follow?**

Number identification is an important beginning step to counting, adding, and future math skills. The skills required to complete this activity include the ability to move the box maze and recognize numbers. For example, if the marble passes through a roll with the number 4 on it, the child should be able to say "four". As mentioned in the modifications, a child may have trouble writing the number and can get assistance from an adult. If they can write, then writing numbers would also be a skill needed for the activity.

**Include a photo of materials, completed activity, game, etc.**

