

Ping Pong Ball Maze

Supplies

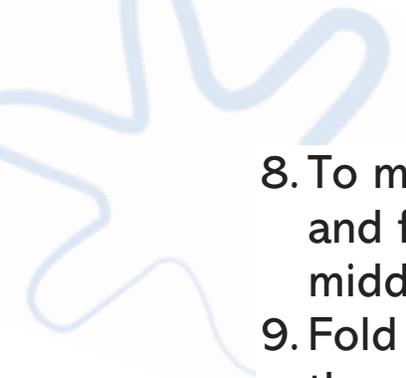
- Large Piece of Cardboard
- A Stack of Paper
- A Roll of Tape
- A Pair of Scissors
- 1 or 2 Ping Pong Balls
- 1 Straw

Substitutions:

- A small ball of aluminum foil can be used in place of a ping pong ball.
- Play-dough can be used in place of the paper and tape.

Instructions

1. Draw out the track of your maze marking the start, finish, the pathway the ball is going to follow and any obstacles.
2. Take a piece of paper and fold it in half three times.
3. Cut your folded paper to the size of your piece of wall for your maze.
4. Open your paper once so that it is shaped like an “L.”
5. Place the paper down so that the flat part will sit on top of the cardboard on the outside of the maze.
6. Tape the paper down to the cardboard using the flat part.
7. Repeat these steps to add more walls and tape the wall sections together.

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8. To make the bridge obstacle, take your folded paper and fold each side of the strip of paper to meet in the middle.
 9. Fold the sides outwards to create flat edges to sit on the cardboard.
 10. Make sure your ping pong ball fits under the bridge and tape the flat pieces down to the cardboard.
 11. To make the zig-zag obstacle, fold your paper accordion style to make as many zigzags as you wish!
 12. Use your piece of tape to tape the side of the obstacle to the top of the cardboard.
 13. To make the circle obstacle, take the paper folded not once, not twice, but three times and shape it like an “L” again.
 14. Cut slits into the bottom part of the “L!”
 15. Roll the paper to make a tube that sits flat on the cardboard.
 16. Check that the ball can fit around the circle and tape it down.
 17. Now that your maze is set, place your ping pong ball at the start!
 18. Get low like you’re about to eat some no-hands spaghetti and blow your ball through the maze.

Alternatively: mold the play-dough against the cardboard to make the walls and obstacles.

Alternatively: take a small piece of aluminum foil and roll it into a ball that will fit through your maze.

Your maze is complete! Time yourself to see how fast you can go and try to beat the Moose’s record of 10 seconds!

