



## Interactive Digestive System



by Littleladoo

Is it possible to learn without being taught? Cognitive scientists are investigating this question with **Interactive Teaching Methods** that schools are increasingly adopting.

**Interactive Learning** is crucial for teaching younger children because they require visual and auditory stimulation to keep their attention when they are learning.

I made this **Interactive digestive system** to show my daughter **How food travels inside our body**. This is also such a fun way to learn the **Parts of the Digestive system**.

<https://www.youtube.com/embed/upHAx-Hez0w>

In this Instructable, I will show you how to make this Digestive system maze and also share some Tips and Tricks. It is a Very Easy Project!

Let's Dive in.

### Supplies:

You'll need very few things to Make this Cardboard DIY (Affiliate links Included for Convenience)

- 2 Cardboard Sheets
- Cutter - <https://amzn.to/3rsAGXz>
- Cutting Mat - <https://amzn.to/3uqzWUK>
- Hot Glue Gun - <https://amzn.to/3roNaPI>
- Steel Ruler - <https://amzn.to/3gnBUNk>
- Coloured Pencils or Felt tip Pens
- A little Bit of Playdough or Air Dry Clay.



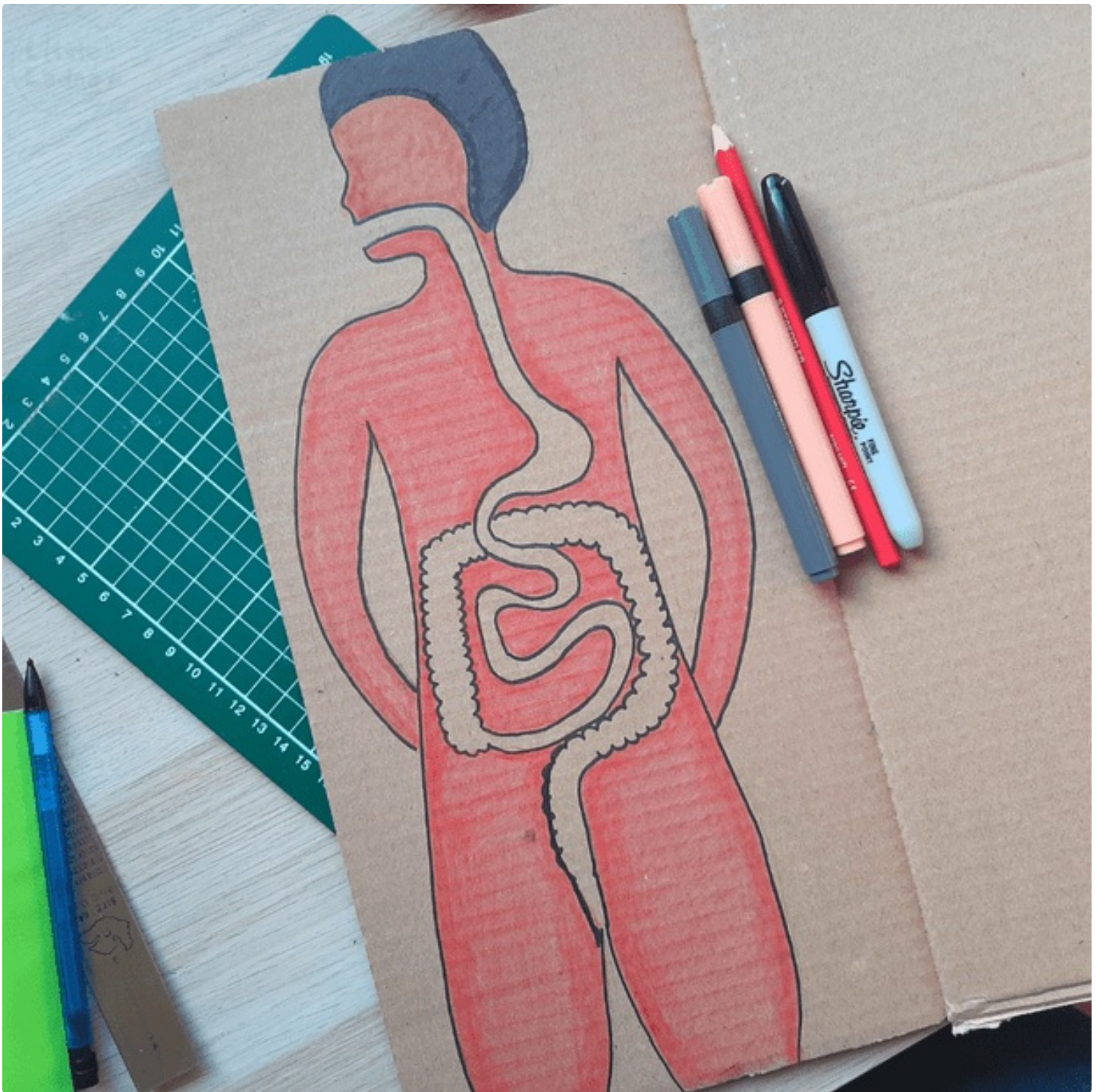
## Step 1: Draw the Digestive System on a Cardboard

Draw the Digestive system on a cardboard sheet. Please note, the Intestines shouldn't be complex. We need a simple path to create a Maze.

Use a coloured pencil to colour the Body.

The size of the Cardboard that I have used is approximately 40 cm x 20 cm. You can vary the cardboard size to your convenience.





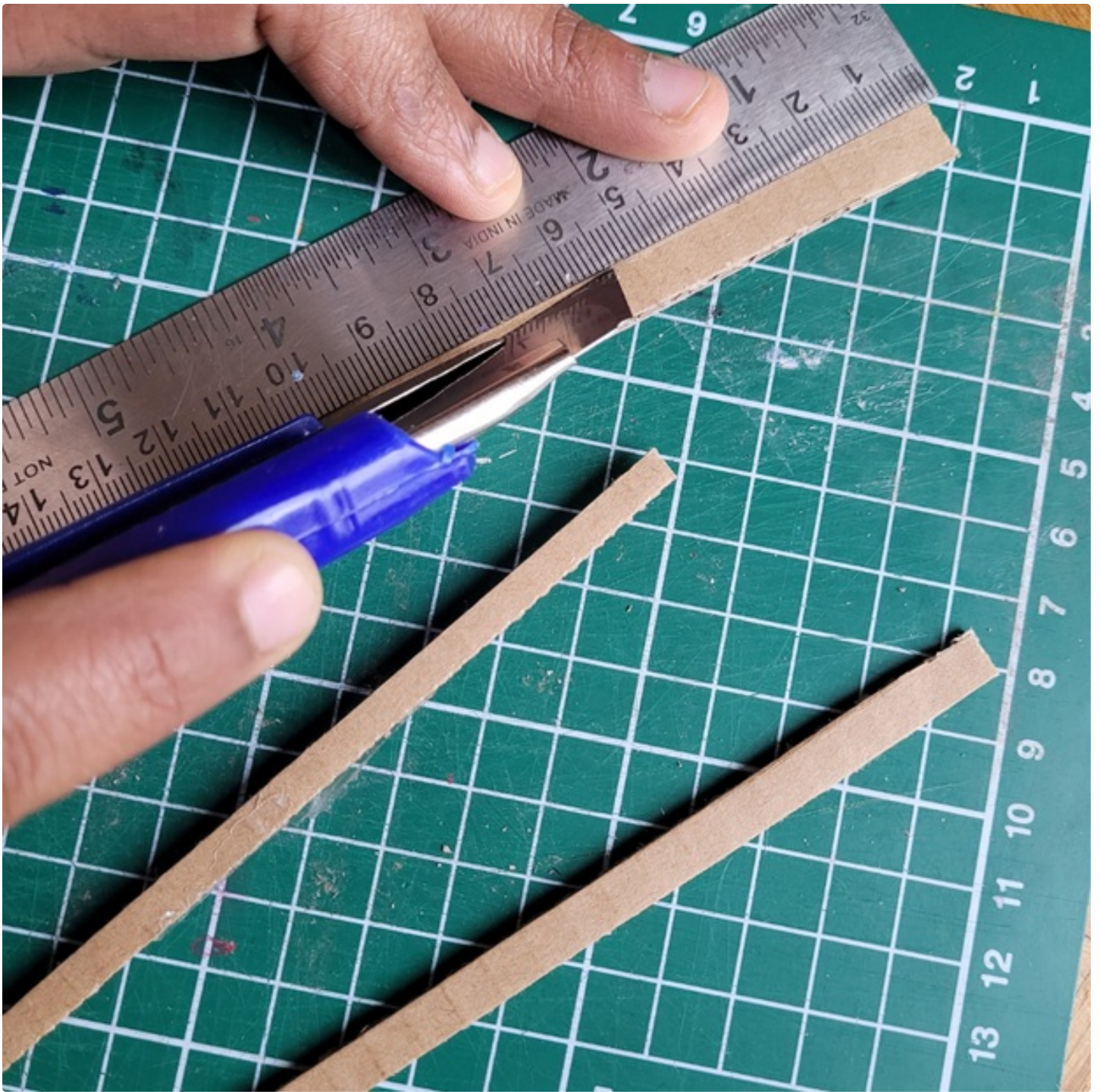
## Step 2: Make Long Strips of Cardboard

To make the Walls of the Digestive system Maze, we need thin and long strips of Cardboard. Place a Cardboard sheet on a Cutting Mat and Cut a few Long strips.

I made about six strips, each 5mm in width.

The width of the strip has to be bigger than the size of the ball we will use for the maze. Make enough strips needed to cover the entire length of the digestive tract.









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### **Step 3: Bend the Cardboard Strips**

In order to glue cardboard strips easily along the curvy walls of the Digestive Tract, we need to make them flexible. Bend or roll all the strips on either sideways so that the Strips lose the rigidity along the length.



#### **Step 4: Stick the Strips on the Base**

Apply Glue along the Digestive Tract walls using Hot Glue Gun. Quickly, bend the Cardboard strips and stick them on either digestive track's curvy lines.

Slowly, Sticking a few inches at a time, Glue all the walls leaving a small Gap at the Path Intersection.









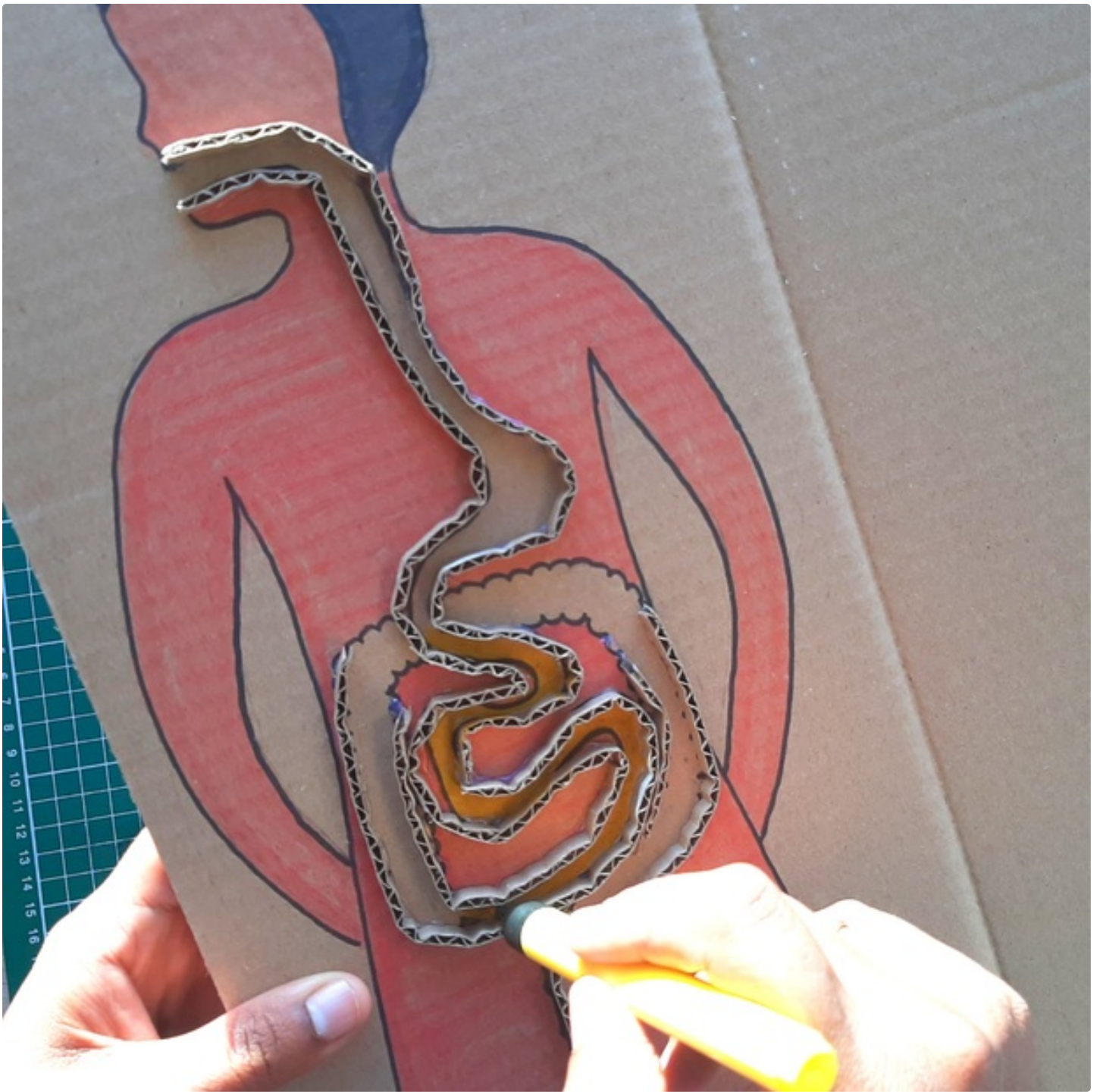




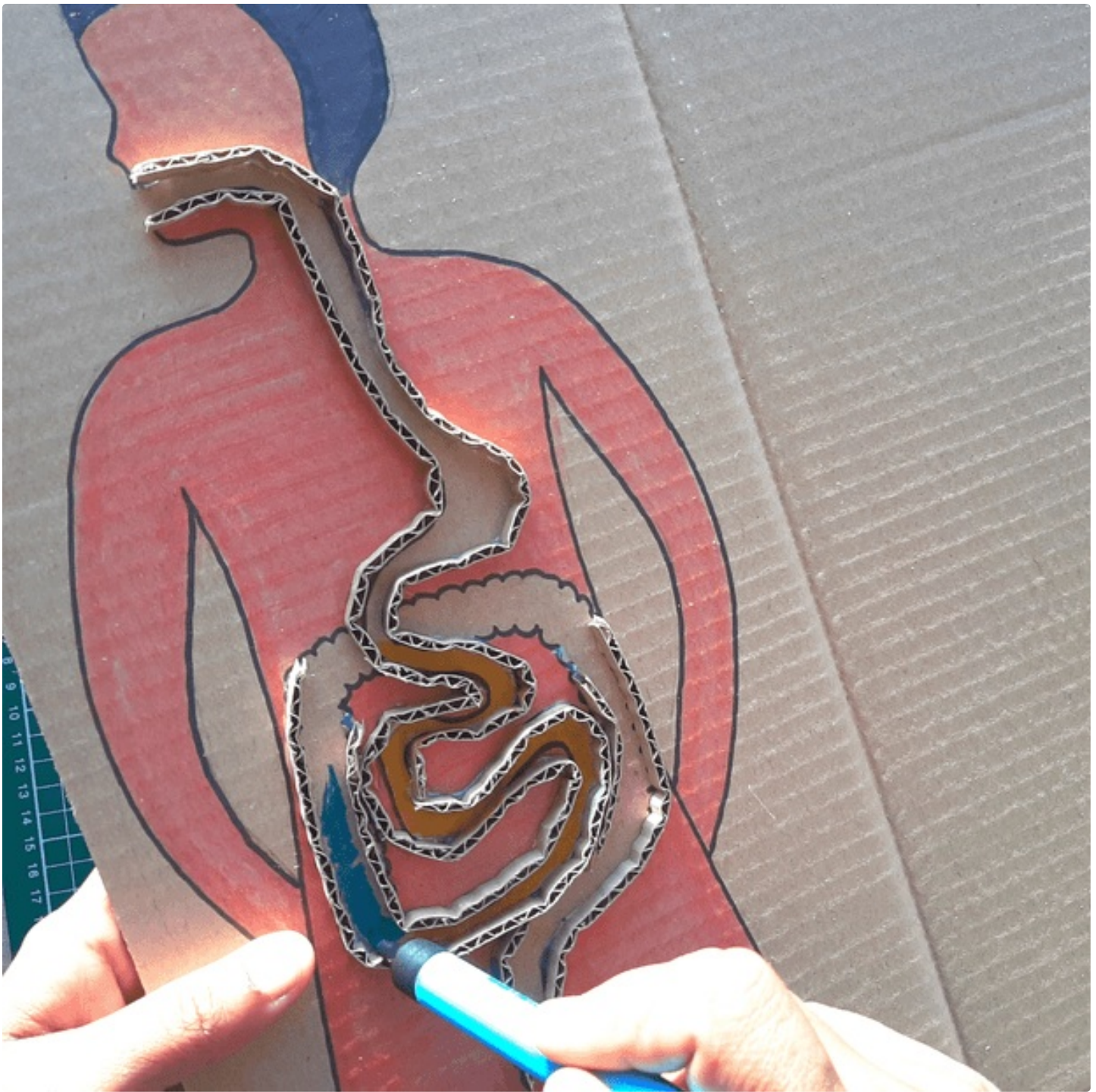
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### **Step 5: Differentiate the Intestines**

Colour the Intestines in two contrasting colours. You can do this Job in Step 1 as well.







## Step 6: Make a Bridge

We have an intersection at the point where the Small Intestine crosses the Large Intestine. We need to create an uninterrupted path for the Maze Ball by building a bridge.

Take a Small Strip of thick Paper and glue it over the track intersection in such a way that it acts as a bridge. Next, Glue cardboard strips as the wall of the bridge.

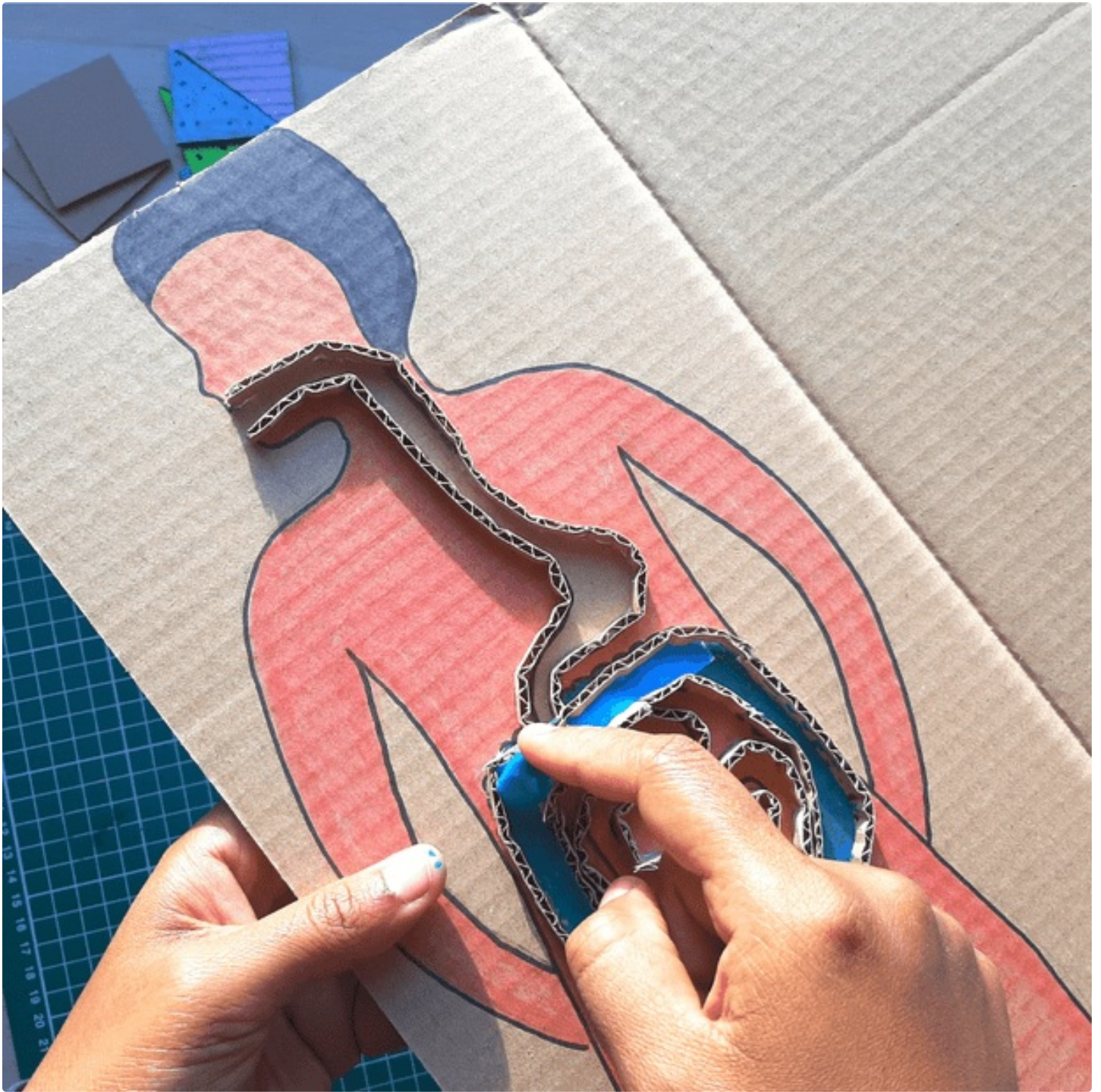
Mould some Playdough or Clay on the slope To make the perfect sloppy path to the bridge. The ball should maintain a smooth transition near the bridge without having any barriers.



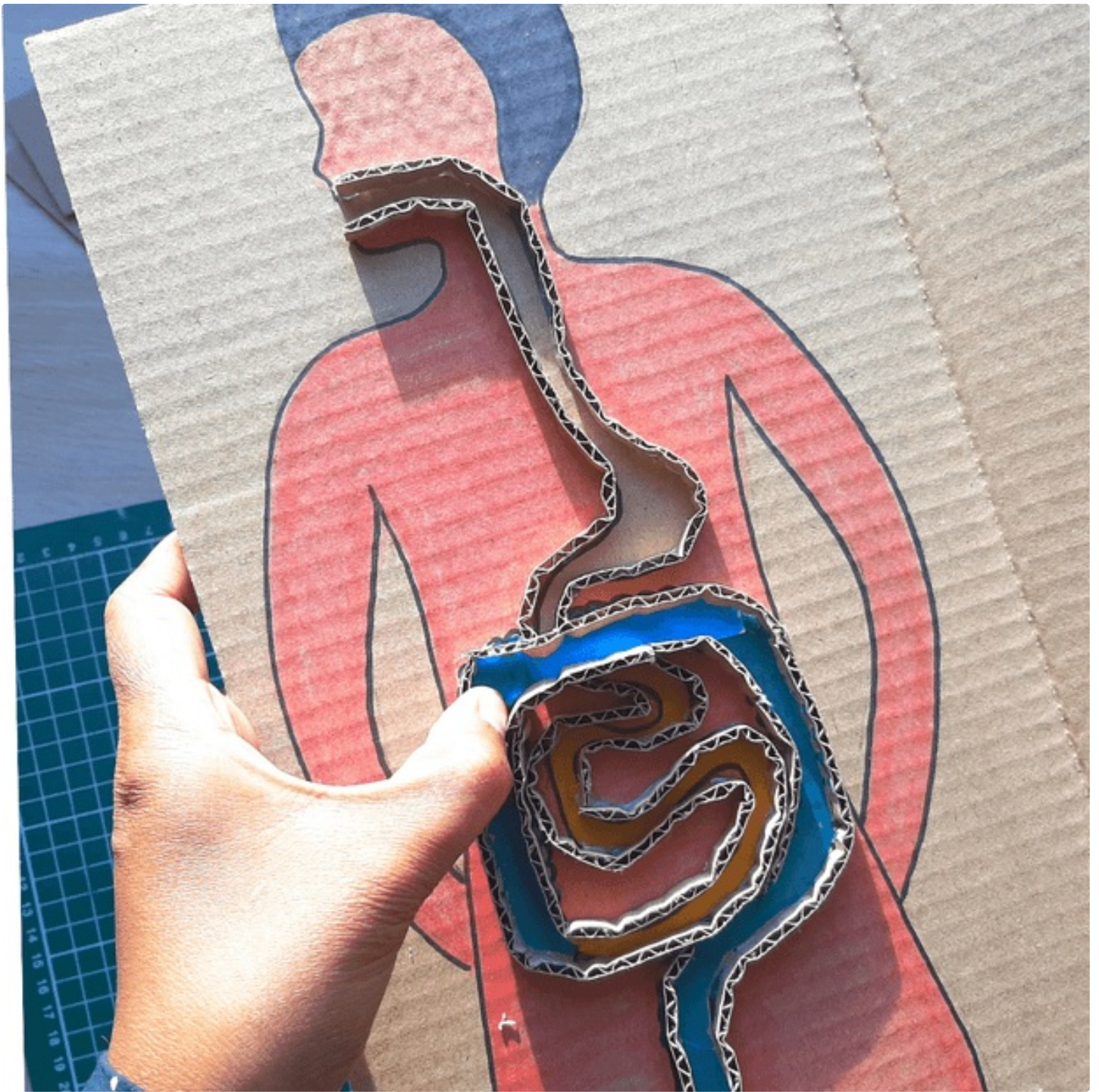
This step is the only tricky part of the DIY. If you want to make the step a little easier, make the meeting point a four-way intersection. This can help the child think over which could be the right path and learn more effectively.















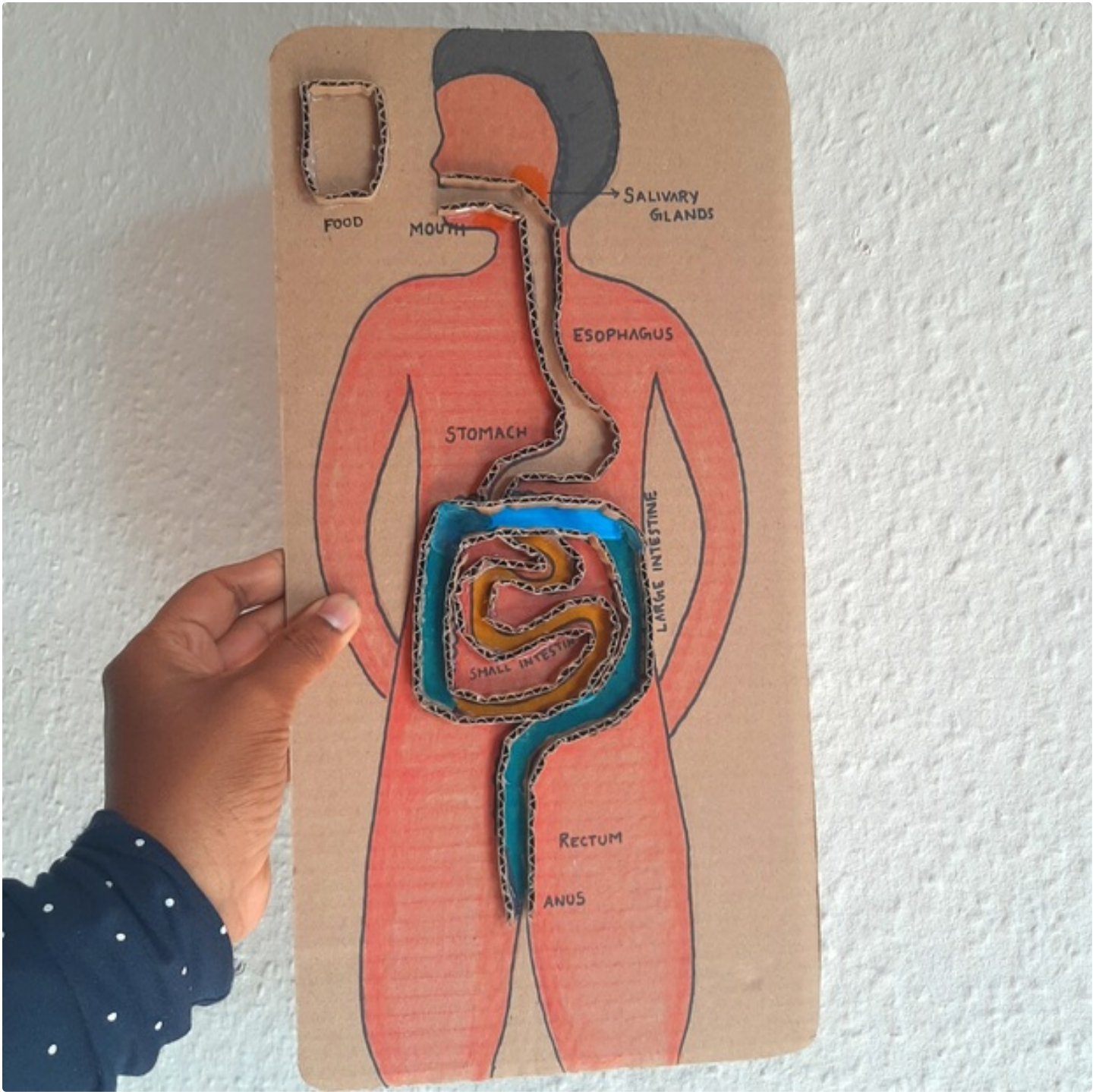
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### **Step 7: It Is Ready!**

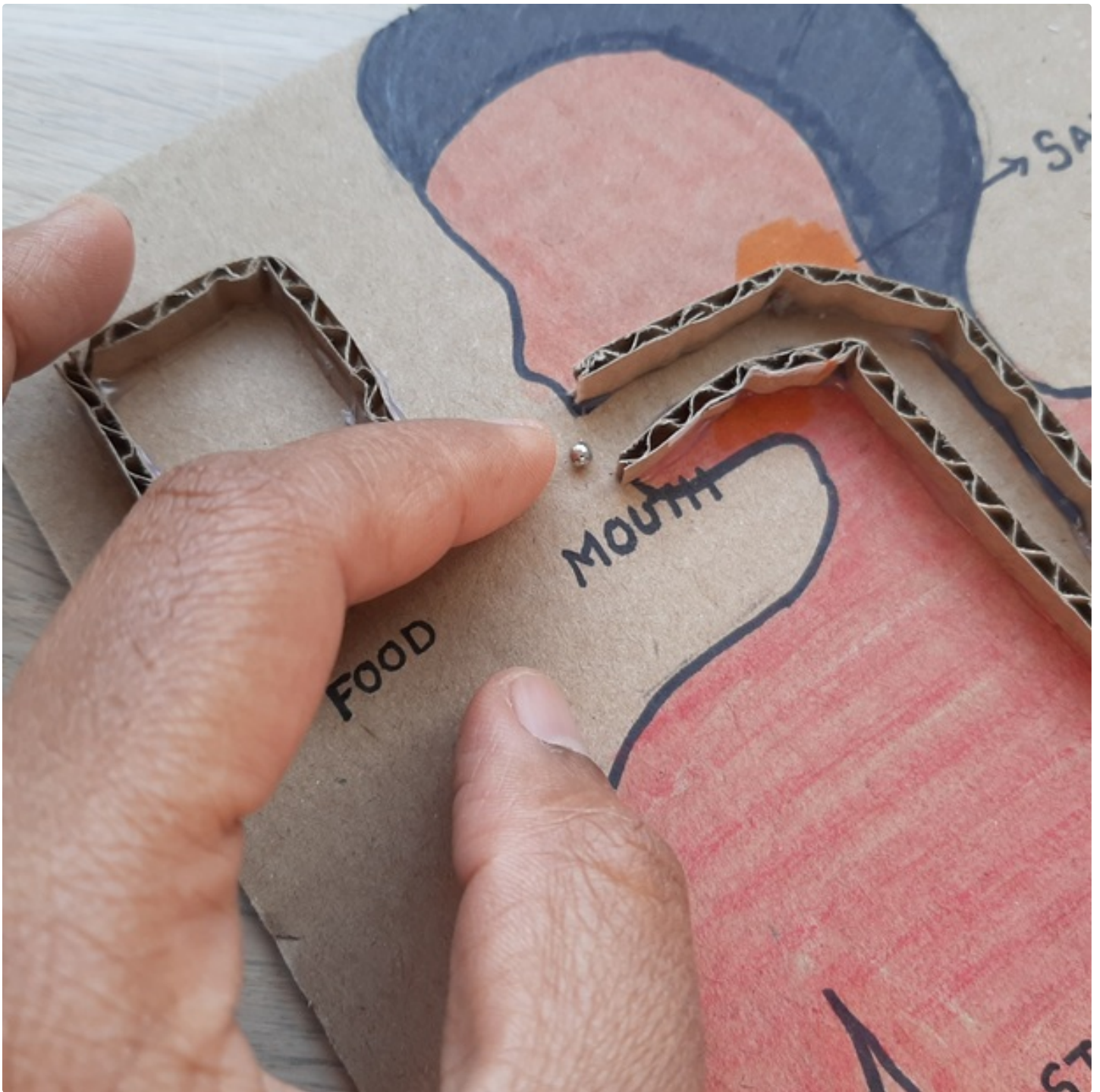
The Digestive System Maze is ready! Use a Small and Heavy ball to run through the Maze. Ball bearings would be a fantastic choice.

You will need less than an hour to make this DIY and Kids would love to play again and again.









## Step 8: Few More Ideas

1. You can also make the much bigger Cardboard maze with wider paths. But make sure that it is convenient for kids to hold in Hald and complete the maze.
2. If you think Cutting Cardboard precisely is difficult, Another easy way to make the maze is using Playdough for the tracts instead of Cardboard.
3. For bigger Kids, You can add other Digestive organs such as the liver, pancreas, etc, to teach them.





## Step 9: Final Thoughts on Interactive Digestive System

This Interactive Cardboard Maze helps kids to learn the Digestive System in a fun Way.

Moreover, we can also Teach the importance of chewing food properly and drinking enough water.

We can show how nutrients are absorbed and how waste is excreted from the body.

Using these instructions, you can create many other Body Systems models to teach young children. Some Ideas are the Respiratory system, 4 chambers of the Heart (to show how Blood Circulates)



When Learning is Interactive and more senses of the body are involved, Children can absorb and better retain the information they have learned.

Let me Know how you liked this Idea:)

