

Make Your Own Ball Run!

Calling all inventors, tinkerers, recyclers, future engineers, current engineers, non-engineers! It's time to put all those empty toilet paper rolls, cereal boxes, and yogurt cups to good use. **We challenge you to create a marble maze or a ball run of epic proportions (or as big as you want)!**

Step One: Collect your supplies

Tubes and diverters:

- Contents of recycling bins
- Cardboard
- Toilet paper tubes
- Paper towel tubes
- Egg cartons
- Water bottles
- Yogurt tubs

Balls:

- Ping pong
- Tennis
- Marble
- Bouncy

Connectors:

- All kinds of tape
 - Masking
 - Duck
 - Painters
 - Packing
- Zip ties
- Clothespins
- String/yarn
- Rubber bands

Scissors

Step Two: Start building!

- Create a run a minimum of 8 feet long
- Minimum of 4 direction changes

Extra Challenges!

Can it accommodate different size balls?

Include a lever or a pinwheel

Include different heights

Include a water feature

Film it and set it to music

How many different types of building materials can you use?

Need some inspiration?

[Here's what our friend Tim from the RE Store and his daughter Saylor made!](#)

And then there are the professionals: [Epic Ball Run](#)