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](#)