

Ping Pong Ball Launcher

Materials needed:

- An empty plastic bottle.
- Scissors
- String
- Rubber bands – two per toy
- A large bead
- A nail – for punching a hole in the lid of the bottle

The design is quite simple. Cut off the bottom of the bottle. Then cut four notches around the edge. Slide the rubber bands through the notches so that they make an X.

Use a hammer and nail to poke a hole in the bottle lid (adult job). Tie a string to the connection of the two rubber bands. Run the string down through the hole in the lid, and then tie a bead to the bottom of the string.

When you pull back on the bead, the rubber bands gain potential energy. Release the bead, and the energy is transferred to the ball!