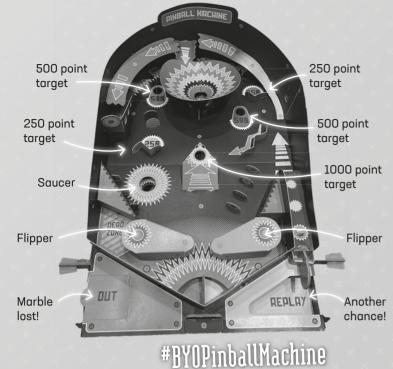


How to play



Pinball Machine Science

A fundemental law of nature is the conservation of energy: "Energy cannot be made or destroyed, it can only be transformed from one form to another" And this can be observed in your Pinball Machine when launching a marble!

Elastic Potential Energy

launcher mechanism, you are

compressing the paper spring inside. Now there is Elastic Potential Energy

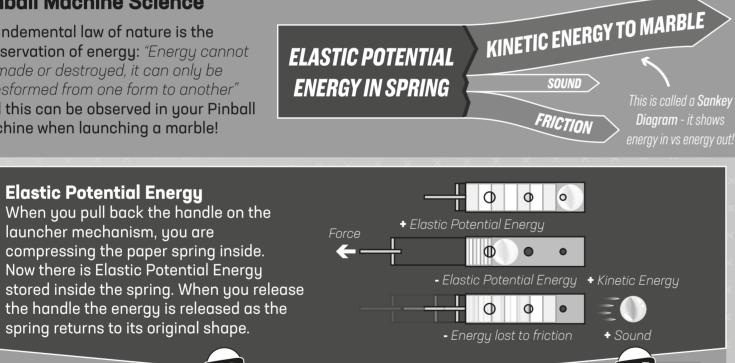
spring returns to its original shape.

Scorina

The aim of the game is to use your 5 marbles to get the highest score. There are 5 targets to aim for, scoring either 250, 500 or 1000 points. Use the flippers to control the marble and keep it in play! If the marble goes behind the flippers and falls into the hole, it can either go left - out of play, or right - replay for another chance to score! Play until you are out of marbles. Add up your score from the targets your marbles have landed in.

Other ways to play

- Try to keep one marble in play for as long as you possibly can.
- Give yourself 5 minutes and unlimited marbles, how many points can you get?
- Play with a friend and use one flipper each to work together!



Kinetic Energy

Kinetic Energy is the energy of an object when it is moving. When the spring is released it will transfer the Elastic Potential Energy to Kinetic Energy, pushing the marble forwards and launching it into the game!

Sound

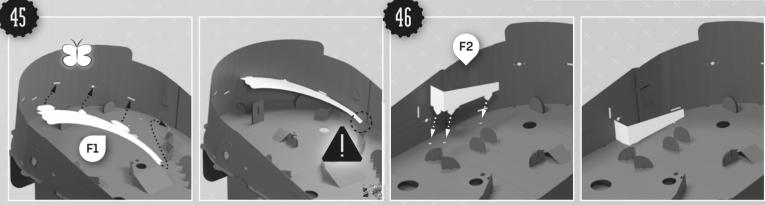
Not all of the Elastic Potential Energy is converted to Kinetic Energy. Some of the energy is transferred to sound - listen out when the marble is launched!

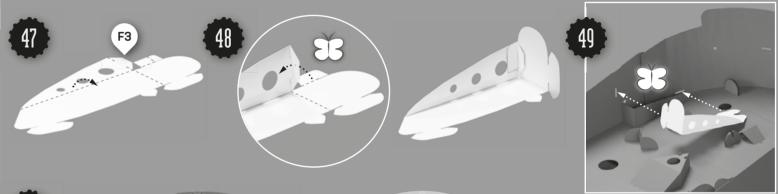
Friction 23 The remainder of the energy is lost as friction as the spring returns to its original shape inside the launcher tube and rubs against the sides.

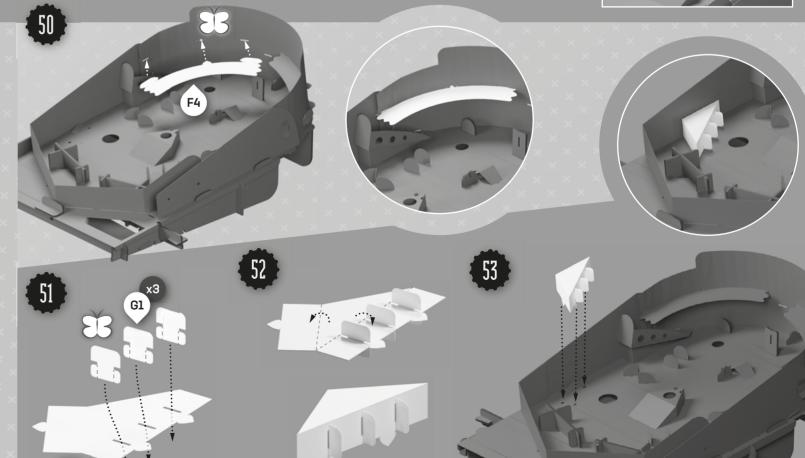
G2



BUILD YOUR OWN





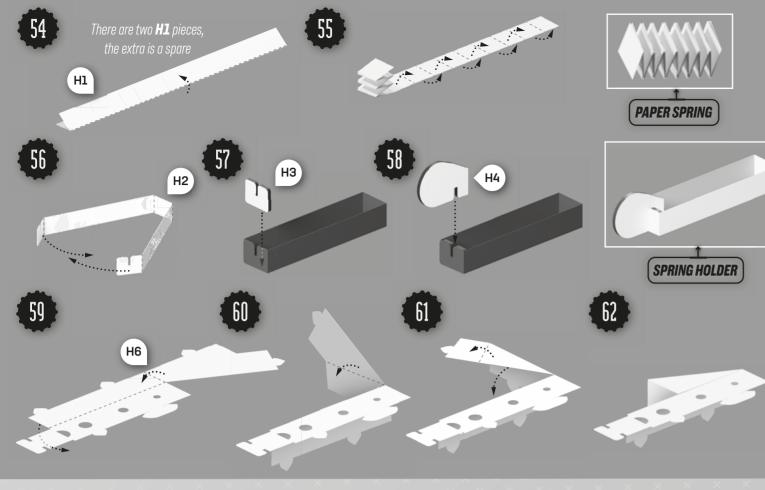


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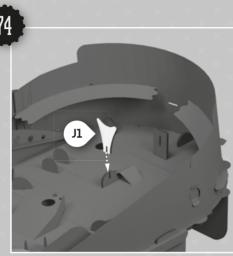


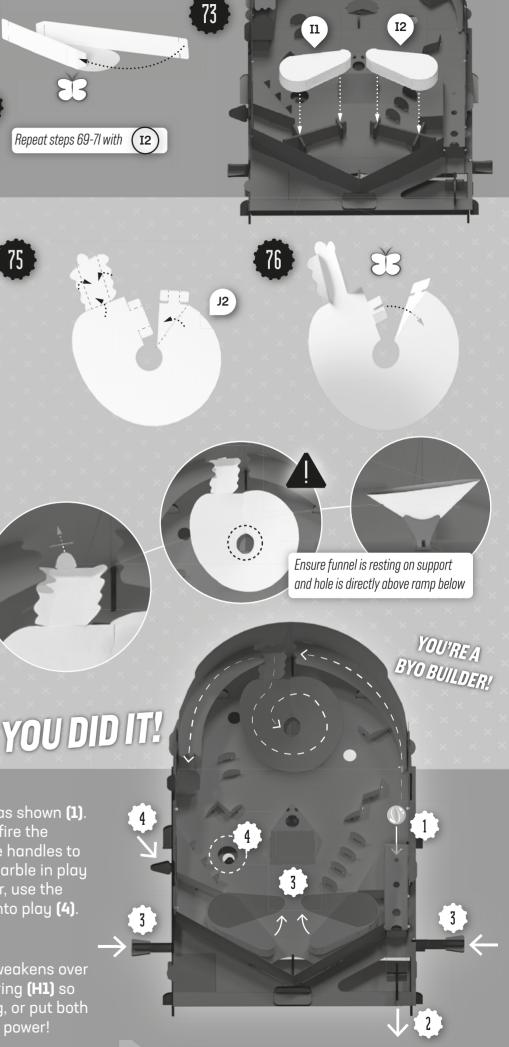
WARNING!

- Recommended age 8+ NOT suitable for children under 3 years
- · Small parts could be a choking hazard.
- · DO NOT discharge objects other than the marbles provide Always count and pack up the marbles after use.
- Rubber bands may contain latex
- Use only under adult supervision and/or guidance Only to be used by persons capable of understanding the safety aspects concerning misuse of the product.
- DO NOT leave the pinball machine unattended, especially with younger children who may not be familiar with the risks mentioned above
- Retain these instructions for future reference



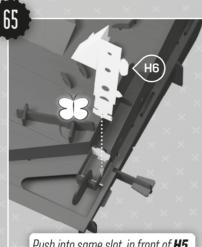


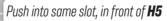




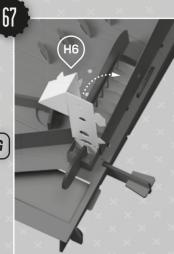
















Slot **H6** into side wall



