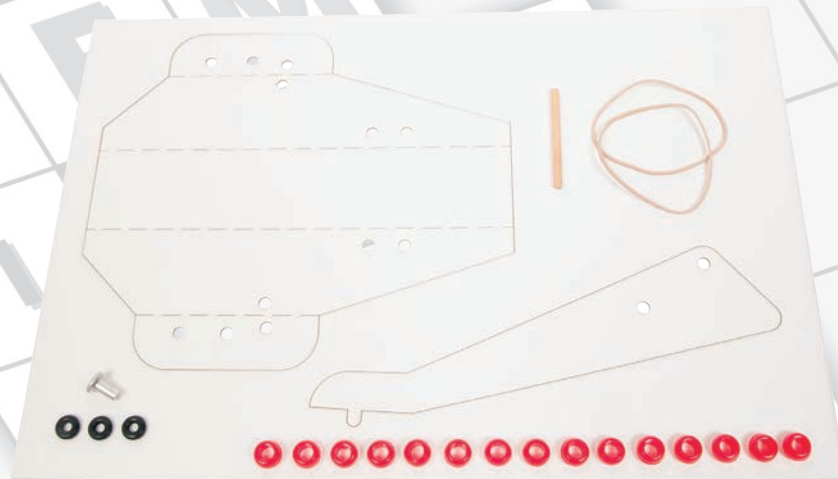


# EZ Catapult

*User Guide*



## Cautionary and Warning Statements

- This kit is designed and intended for educational purposes only.
- Use only under the direct supervision of an adult who has read and understood the instructions provided in this user guide.
- Read warnings on packaging and in manual carefully.
- Safety glasses required.
- Never launch at people.
- Make sure the launch site and flight path are clear of all people prior to launch.
- Never attach sharp objects to this product.

## Materials Included

- Sheet of die-cut card stock
- 3 O-rings
- 1/8" dowel rod
- Pivot pin
- 2 rubber bands
- 12 pony beads

## Items Required (not included)

- Safety glasses

## Building the Catapult

1. Pop out all of the pieces from the die-cut card stock.
2. Bend the scored lines on both sides of the middle section so that the left and right sides of the catapult base bend up toward each other (Figure 1). **Note:** When bending the card stock, make sure to bend only one way.
3. Slightly bend the scored lines farthest away from the middle section on the left and right in the opposite direction of the previous step, and then press these two sections together (Figure 1).
4. On the catapult arm, slip one side of a rubber band through the bottom hole and put the other end of the rubber band through the loop made in order to tie a knot (Figure 2). Repeat this in the same hole with the second rubber band.



Figure 1

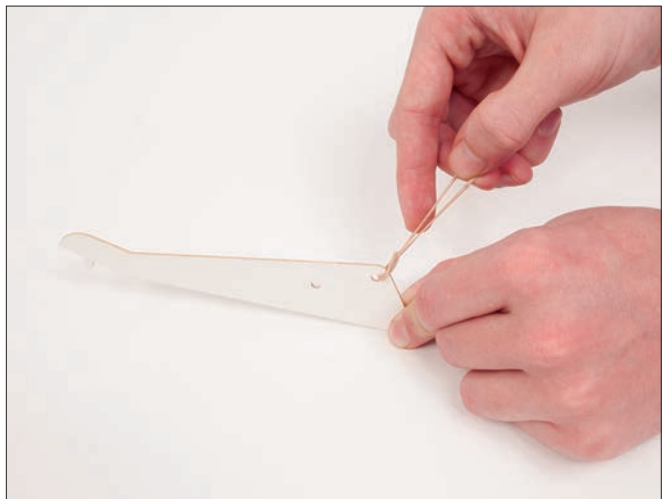
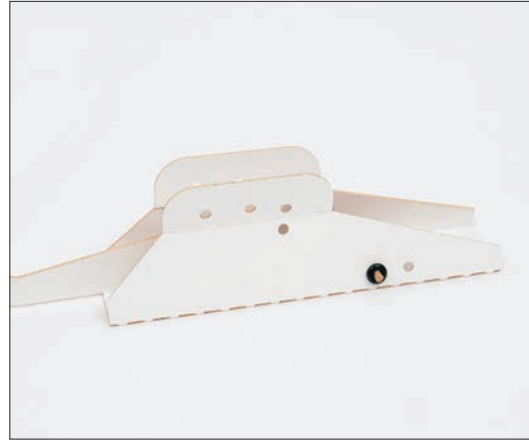


Figure 2

- Put the dowel rod through both loops made at the ends of the rubber bands and slide the ends of the dowel rod through the first hole toward the back of the catapult base (Figure 3). Secure the dowel rod with an O-ring on each end (Figure 4).



**Figure 3**



**Figure 4**

- Hold the catapult arm between the two sections of the catapult base that are pressed together. Align the open hole on the catapult arm with the holes closest to the front on the catapult base and slide the pivot pin through the holes (Figure 5). Secure the pivot pin with an O-ring (Figure 6).

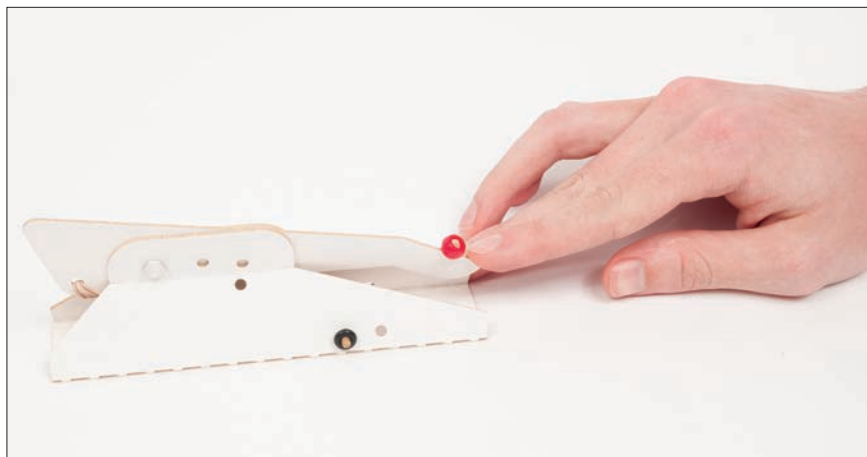


**Figure 5**



**Figure 6**

- To fire the catapult, place a pony bead over the post at the end of the catapult arm, pull the arm back, and release (Figure 7).



**Figure 7**

## Ideas for Using the Catapult

- Put the dowel rod through the hole closest to the back of the catapult base to give the arm more force when released.
- Slide a paper clip through the alternate holes on the catapult base to limit the distance the catapult arm can go back and to test different launch settings.

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