

Marshmallow Catapult Challenge



For this challenge, you will use the materials in the kit to build a catapult that can launch a marshmallow. You do not have to use all of the items in the kit. Before you begin, watch the video available on the Youth page of our website, www.baldwinlib.org/youth. After you've built your catapult, launch a small marshmallow and measure the distance it travels. Then, try launching a large marshmallow. What distance did the large marshmallow travel? Experiment with more than one catapult design and test them out to see which design works best. Let us know how far your marshmallows went after launching.

We'd love to find out how you did with this challenge. Email us to let us know how far your marshmallows went after launching. If you'd like to send a picture of your catapult, that would be great! Your results and pictures can be emailed to youth.reference@baldwinlib.org

Materials included in this kit:

- Large craft sticks
- Small craft sticks
- Clothespins
- Plastic spoons
- Small plastic portion cups
- Rubber bands
- Pipe cleaners
- Large and small marshmallows

Items from home that may be needed for the challenge:

- Tape measure or ruler
- Glue
- Tape
- Scissors

Here are some photos of actual catapults:

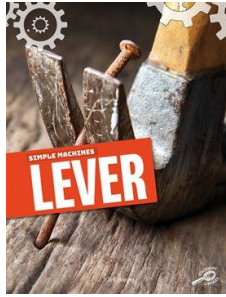


Here are some examples of catapults built from materials in the kit provided by the library:



Additional Resources

If you'd like to read more about levers and other simple machines, you can check out the following eBooks available on Hoopla. Information on using Hoopla can be found at www.baldwinlib.org/ebooks.



Lever (Simple Machines Series) Jeff Barger



Simple Machines by D.J. Ward



Step by Step Experiments with Simple Machines by Gina Hagler