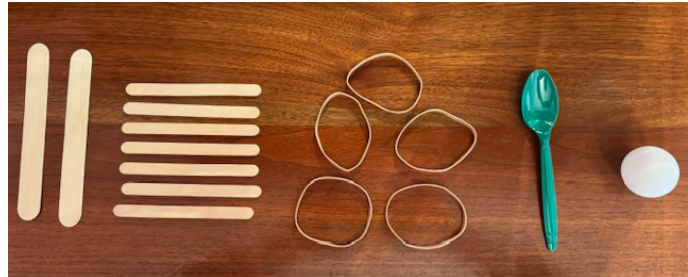




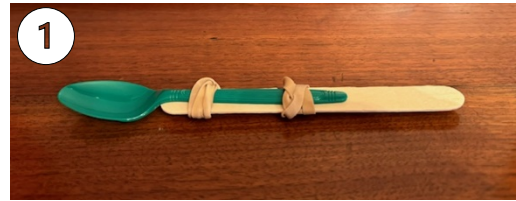
SUPPLIES

- 2 tongue depressors
- 7 popsicle sticks
- 5 rubber bands
- 1 plastic spoon
- Ping-pong ball
- Extras: long tongue depressor, extra spoon, 3 more popsicle sticks, more rubber bands



Basic Catapult Design:

1. Place one tongue depressor under the spoon handle and attach with two rubber bands at the base and the end of the spoon.



2. Stack 7 popsicle sticks and secure one end with a rubber band.



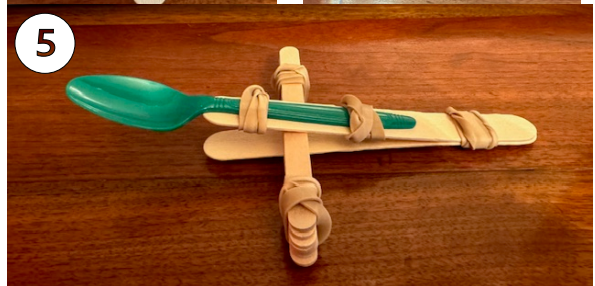
3. Insert the second tongue depressor above the popsicle stick at the bottom of the stack.



4. Secure the other end of the stack with a rubber band.



5. Align the tongue depressors, placing the stack of popsicle sticks between the tongue depressors. Attach the tongue depressors with a rubber band near the end.



6. Now test your catapult for accuracy and distance. Put the ping pong ball on the spoon, pull it back, and launch at the target!

7. Modify your design by adjusting the components. (popsicle sticks, tongue depressor, different spoon (or cap), rubber bands).

8. What design works best? Why do you think that design is the best?