

JUNK DRAWER CATAPULT

Box Supplies Needed for One Catapult:

- Popsicle Sticks (8)
- Rubber Bands (3)
- Plastic Spoon (1)

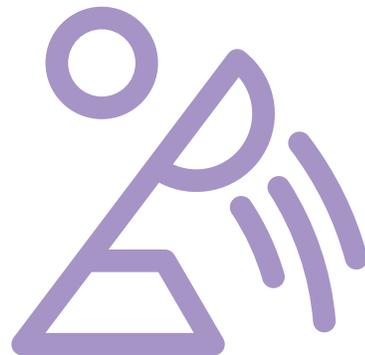
Other Tools + Supplies:

- Items to Catapult: a crunched up piece of foil, bottle caps, pom-poms, marshmallows - use what you have!

Instructions:

1. Start by stacking 7 popsicle sticks on top of each other.
2. Take a rubber band and wrap it tightly around one end of the stack, about 1/2 inch from the end.
3. Take another popsicle stick and slide it into the bottom of your stack facing the opposite direction, between the 6th and 7th in your stack. The full stack will look like a plus sign.
4. Use another rubber band and wrap tightly around the other end of the stack, about the same distance from the end as your first rubber band.
5. Line up the end of the spoon (not the part you eat with) on the end of the single popsicle stick. Use another rubber band to wrap them together tightly.
6. Place the item to be catapulted on the rounded part of the spoon. Use two fingers to hold the base steady on the stacked sticks, and use your other hand to gently pull back on the tip of the spoon. Let go and watch your object fly!

PHOTO INSTRUCTIONS ON NEXT PAGE



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What's with the name? You could probably make this project with things you have around the house - you never know what you'll find in the junk drawer!

Steps 1-2



Step 3



Step 4



Step 5



Step 6



What happens if you use more or less popsicle sticks, or change the position of the single stick? **What changes if you use a different size rubber band?** Could you attach a small cup or other object to the end of the spoon? **What kind of objects fly best, or give you the most accuracy?**