



Make a Yo-Yo

Use your Creativity on an Invention

INTRO For this experiment, we are going to make our own yo-yo! Use our suggested supplies, or experiment with your own materials to make a good yo-yo.

- SUPPLIES**
- Two disks: Try empty yogurt containers, cardboard circles cut from cereal boxes or plastic lids
 - Axle: Look for a small plastic tube or a wooden dowel pin
 - String: You will need about 3 feet of string.

- VOCAB**
- Axle
 - Disks
 - Gravity

- INSTRUCTIONS**
1. Instructions: Before getting started, raid the recycling bin for materials.
 2. Sketch it: Once you have gathered your materials, sketch a picture of what you want your yo-yo to look like when it is completed.
 3. Create it: Assemble your recycled parts to build the yo-yo. Since this yo-yo is unique, you may need to try different materials until you get it right.
 4. Try it: Tie a loop large enough for one finger in one end of the string. Then tie the other end around the axle, just loosely enough that it can spin.
 5. Tweak it: Play with your yo-yo and continue to modify it. Decorate it to fit your personality.

- DISCUSS**
- How does your yo-yo work? Explain how gravity has a part in making the yo-yo work.
 - What made your yo-yo successful? What made it unsuccessful?
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