

MAKE A LEAPBOT FROM REPURPOSED MATERIALS

Leapbot Workshops at ScrapsKC

Explore potential and kinetic energy!

Potential energy is energy that is stored.
Kinetic energy is energy in motion!

Stand up, bend your knees, and jump as high as you can. When you bend down, you are storing potential energy in your muscles that you release into kinetic energy when you jump! Now try to jump **WITHOUT** bending your knees at all. It's much harder, because you aren't storing up any energy.

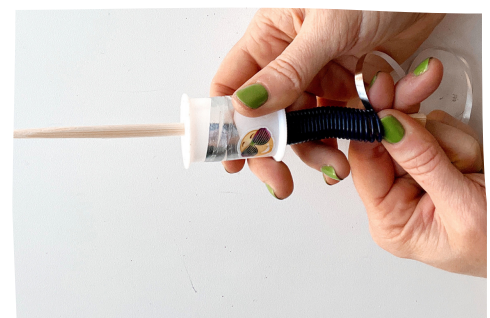


In this workshop, you'll be making a Leapbot from repurposed materials and exploring potential energy stored in springs! First, we'll make a simple leapbot from the inner parts of a retractable pen. Scan the QR code to watch a video tutorial!



Now it's time to customize a leapbot and make it your own! Using the provided chopstick, empty thread spool, and repurposed spiral binding, decorate your leapbot, making sure it stay functional! See how high you can launch your leapbot, and experiment with ways to improve it!

For full tutorials, [see the instruction sheet](#) or watch the youtube video (scan the code above).



We can't wait to see the pieces you create!
Share your photos and tag @scrapskc on social media.