

A STEM in the Park Take Home Activity

STEM in the PARK

Science, Technology, Engineering, and Mathematics

Pom Pom Popper

What You Need

- cardboard tubes
- balloons
- pom poms



What To Do

1. Start with a paper tube.
2. Tie a knot at the end of your balloon and cut off about 1/2" from the other end.
3. Now stretch the balloon over the end of the tube. (You could also use an empty yogurt container since some brands tend to be pretty sturdy, plus you're recycling!)

That's it! Now it's time to do some launching! Just put your pom-pom inside the tube on the knotted center, then aim the cup away from you, pull back on the outer knot and launch away!

Continued on back

Observe...

How far and how fast can you launch your popper?

Learn...

The big word of the day: Trajectory

The path that a moving object follows through space- might be a projectile or a planet, referring to the path as it travels around the sun. Can you predict where your pom-pom popper will land? Can you see how the force you exert on the balloon results in your pom-pom popper traveling even further?

Scrap4Art promotes recycling, or re-purposing- finding a new way to use old things. You did that today with items that were all donated to our materials exchange program! This allows individuals and businesses to donate things they might throw away into landfills. Teachers, artists and students find creative ways to re-use these materials.

Investigate...

Check out other ways to recycle materials and what programs are available at Scrap4Art on our website: www.scrap4arttoledo.org

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