

Trampoline STEM Challenge in the Classroom or at Home

Materials:

- colander
- rubber bands
- toothpicks
- binder clips
- material
- a ball
- masking tape

Instructions:

1. Start by threading one end of a rubber band through a colander hole.
2. Secure with a toothpick and start stretching the rubber band across the colander.
3. Push the other end of the rubber band through another colander hole and secure with a toothpick.
4. When you feel that enough rubber bands are in place to support the trampoline, you can add a piece of fabric.
5. Secure the material with binder clips and get ready to test your trampoline!
6. We tried a variety of balls. Ping pong balls are great because they will not bounce out of control and are light enough to not hurt anyone. If you are doing this with older kids or a small group, you might want to try a super bouncy ball.
7. For testing, we placed masking tape (painter's tape) at 1 foot increments to get an idea of how high the balls bounced!

