Bee Hummer/ Spinning Noise Maker

Materials:

- Popsicle stick (or other stick like thing)
- Elastic big enough to stretch the long way around your stick
- Index card
 - OR other stiff material about the size of an index card
- String (about a metre)
- Tape or stapler
- Erasers the pencil end cap type
 - OR some craft foam to imitate the erasers
 - OR improvise something fabric or paper might work!
- Decorations (optional do these first if you're going to do them)

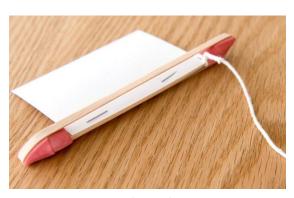


- 1. The long side of your index card (or substitute) should be about 2.5 cm shorter than your popsicle stick.
 - a. Trim it to size if necessary
 - b. Decorate it now if you want to
 - c. NOTE: Some versions call for 2 index cards, one on each side of the popsicle stick. If you want to do this prepare both now.
- 2. Put the erasers (or substitute) securely on the ends of the popsicle stick
 - a. NOTE: The idea is that the elastic will wrap around these end caps which will prevent the elastic from touching the popsicle stick.
- 3. Tape or staple the index card(s) to the popsicle stick
- 4. Tie a string securely to one end of the instrument just inside the end cap
- 5. Stretch the elastic band lengthwise around the whole thing.
- 6. Check to make sure you won't hit anything or anyone and spin!
 - a. Does the sound change if you spin faster or slower?

NOTES:

You can find instructions and an explanation of how this works at these websites https://www.exploratorium.edu/snacks/bee-hummer and https://www.whatdowedoallday.com/spinning-noise-maker/

It would be interesting to see how the size/thickness/stretch of the elastic, the weight/size of the card(s), the length of the stick, and length of the string affect the sound. Try it and let me know!



www.exploratorium.edu/snacks/bee-hummer