

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)



www.exploratorium.edu/snacks/bee-hummer

Instructions:

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!