



Everyday Engineering

Make a Buzzing Bee Hummer

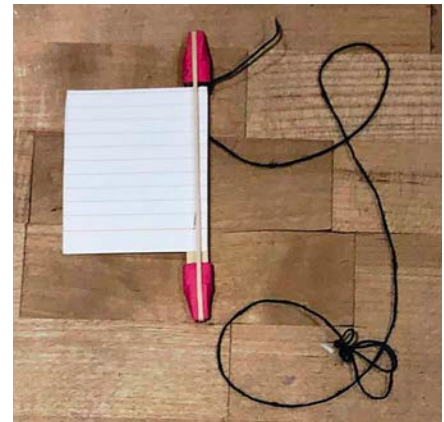
What you need:

- popsicle stick or craft stick
- 2 eraser tops
- index card
- string (about 2 feet will do)
- wide rubber band
- stapler
- scissors



What you do:

1. Place erasers on each side of your popsicle or craft stick.
2. Cut the index card in half.
3. Staple the index card to the stick.
4. Tie the string next to one of the erasers. Make sure your knot is tight and the string is secure.
5. Wrap the rubber band around the stick from one eraser to the other.
6. Swing your buzzer in a circle and enjoy! Make sure you're in a clear space where you won't hit anything.



Explore a Little More

What if you cut the index card into a different shape? Does the bee buzzer still work? Has the sound changed? Does the length of the string make a difference? Try cutting it shorter, or adding a longer string and hear if the buzzing sound has changed.