

SPINNING NOISE MAKER

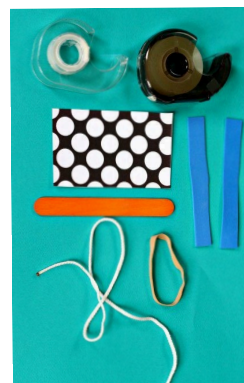
Taken in part from whatdowedoallday.com/spinning-noise-maker

Supplies Provided

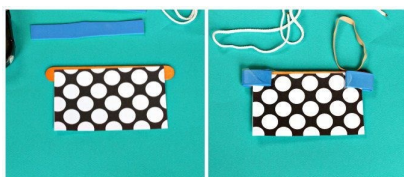
Index Cards
Elastic
Craft Foam
Craft Stick
String

Supplies From Home

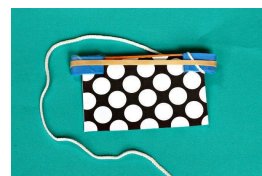
Tape
Decorating Supplies



1. Decorate the index cards
2. Tape an index card to each side of the craft stick.
3. Cut 2 strips of craft foam the width of your craft stick and about 4 inches long. Double it and tape to ends of craft stick.



4. Tie a piece of string to the stick. The length of string should be about 3/4 the length of your child's arm.
5. Stretch the rubber band along the length of the stick, over the craft foam.
6. Grasp the string and spin!



Extensions

- Experiment with the length of the string. If the string is shorter or longer does the sound change?
- Does the sound change if you use a thicker piece of foam?
- What about if you use a different size or shape index card?
- What about if you use only one index card?
- What happens when you try and spin the noise maker backwards?
- Does the noise maker work if you twirl it above your head? What about off to the side? What if you try and twirl it downward?
- How does the sound change when you spin it fast or slow?
- What happens when you use a different size rubber band?

The Science

The noise is made when the rubber band vibrates against the wooden craft stick. These vibrations create waves in the air that we perceive as sound. This is also what happens when bees and flies fly. The movement of their tiny wings move the air and make a buzzing noise.



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