

Instruments for Investigation Stations

1. Kalimba

Materials:

- Purchase a kalimba.

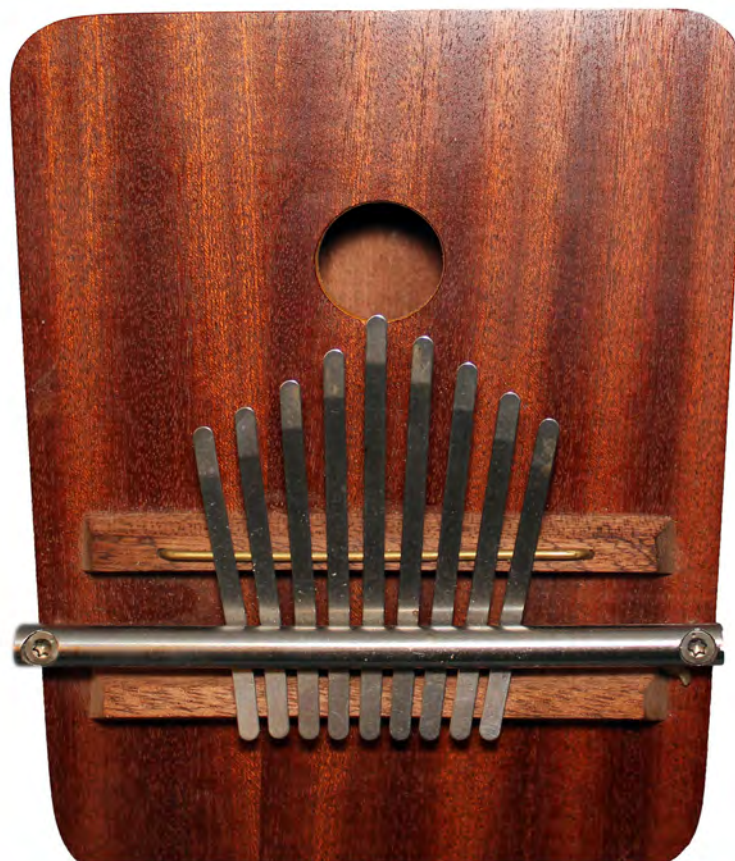


Image by [Gizlog](#) via Wikimedia Commons [CC BY-SA 3.0]

Instructions:

1. Pluck the metal pieces to hear the sound.

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2. Spoon Gong

Materials:

- A large metal spoon
- Approximately four feet of string, yarn, or twine
- Scissors
- A ruler

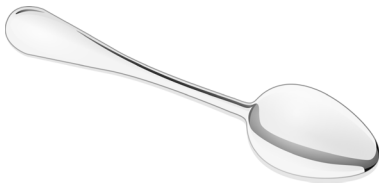


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Instructions:

1. Use the ruler and the scissors to cut four feet of string.
2. Tie the piece of string to the handle of a big metal spoon by making a loop in the middle of the string and inserting the handle of the spoon into the loop.
3. Pull it tight so that the spoon hangs in the center of the length of the string.
4. Wrap each end of the string around the pointer finger on each hand, and press the string against each ear with your fingers.
5. Once the string is in place near your ears, the spoon should hang just below your waist.
6. With the spoon hanging from the string in front of you, bend over and lightly swing the spoon into the side of a desk, or have someone gently tap the large part of the spoon with a ruler to hear the “gong” sound.

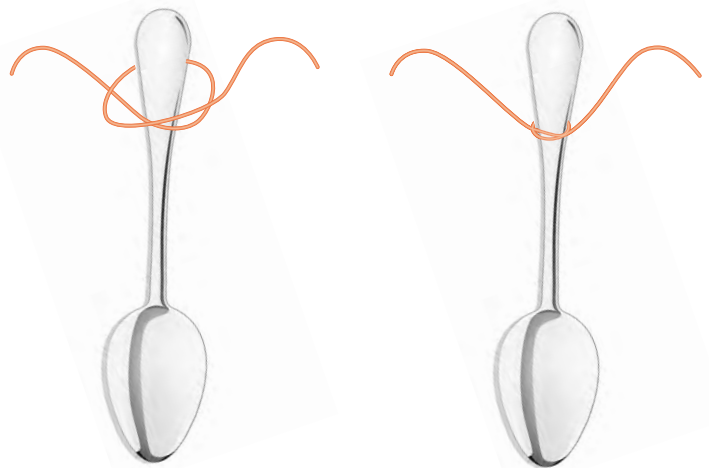


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3. Shoe Box Guitar

Materials:

- Shoebox
- Scissors
- Five rubber bands in different sizes
- Cardboard tube from a paper towel roll

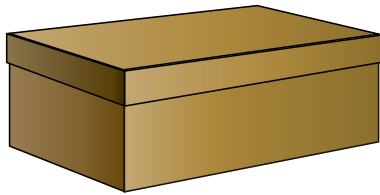


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Image via Freepik.com

Instructions:

1. Use a cup or mug to trace a circle in the center of a shoebox lid.
2. Cut out the circle you just traced.
3. Stretch the rubber bands around the box so that they are stretched over the hole. The different-sized rubber bands will produce different notes.
4. Attach the cardboard tube from a paper towel roll to the top of the box to hold onto if desired.

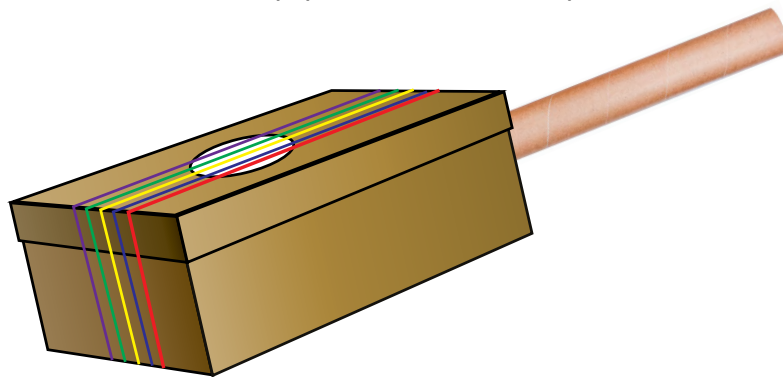


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4. Door Fiddle

Materials:

- ❑ Approx. 17 feet of rope, or enough to go around the door once (vertically) and tie to the handle on the back of the door.



Image via [Freepik.com](https://www.freepik.com)



Image via [Pixabay.com](https://www.pixabay.com) [Public Domain]

- ❑ A cardboard box, book, or piece of wood/plastic.

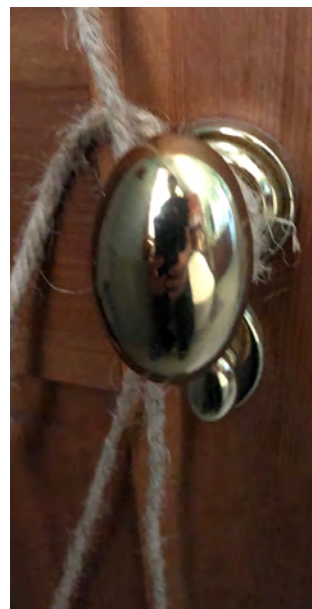
Instructions:

1. Tie one end of the rope around the knob or handle on the backside of the door.
2. Wrap the rope around the door from top to bottom, moving it more toward the center of the door.
3. Pull it taut, under the door, and tie it around the knob or handle on the backside of the door again.
4. Between the rope and the door, place a cardboard box, book, piece of wood, plastic box, or anything light enough to stay in place and sturdy enough to make the rope taut and approximately 8 inches to 10 inches away from the door.
5. Pluck the rope to hear the sound.

Door Fiddle



**Backside side of door
with rope on handle**



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5. Tuning Fork

Materials:

- ❑ Purchase tuning forks. Note: lower hertz tuning forks like 440 Hz or 512 Hz will produce better results in vibrating salt or sprinkles.



Image by auntmasako via Pixabay.com [Public Domain]

Instructions:

1. Gently tap the tuning fork on the edge of the desk to hear the sound.

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6. Fishing Line Instrument

Materials:

- 1 craft stick
- 1 plastic cup
- 1 plastic bottle
- Cap for plastic bottle
- 12 inches of fishing line
- Glue gun

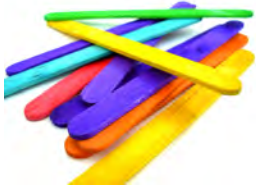


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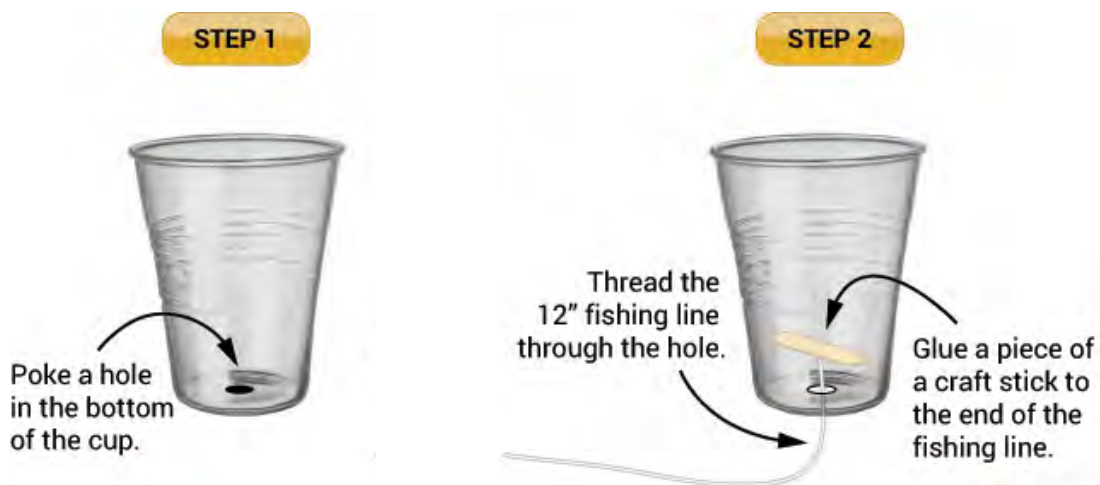


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Instructions:



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6. Fishing Line Instrument (continued)



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