



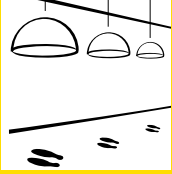
# Little Science Guide: Look Out for Sound



## Seeing the Light & Sound Waves Exhibits

Central Pavilion, Street Level

The New York Hall of Science is for all ages! Little Science Family Guides are for children 6 and younger and their grown-ups.



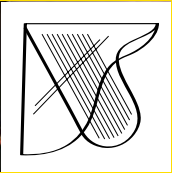
### Sound Waves: Create a Song

*Action:*

Stand next to each other on the footprints and move your arms up and down, slow and fast, and side to side to create a song together.

*Question:*

What do you notice happening?



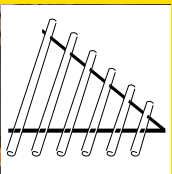
### Piano Strobe: Play the Piano

*Action:*

Run your fingers along the piano strings and look closely to see the strings vibrating (kind of like wiggling). Gently put your hand over the vibrating strings to feel them wiggle.

*Question:*

What happens to the sound when you press your hand on the strings?



### Pipes of Pan: Ocean in a Shell

*Action:*

Climb up and listen to the different lengths of glass tubes. Compare how a very short tube sounds to a very long tube. Now compare how the tubes sound to the whole room.

*Question:*

How are the sounds different?

### General Science Information for the Grown-Up:

- Sound forms waves that have energy.
- Sound waves vibrate.
- Vibration is a wiggling or shaking motion.
- Sounds will be different depending on the length of string or tube.

These guides are provided with support from the Altman Foundation.

For more information about programs for families, visit [www.nysci.org/families](http://www.nysci.org/families).

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