

Sounds with PVC pipes

We call these Palm Pipes.

To do and notice:

Gently strike the end of the pipe against your palm. Hear the sound that it makes.

Try a different length of pipe. Did you hear a different sound?

How high or low a sound is *pitch*.

What can you say about the length of the pipe versus its pitch?

That's right the longer the pipe, the lower the pitch and the shorter the pipe, the higher the pitch.

EXPLORE with making music!

Notice the pipes with different colors of tape on them. These pipes are measured to sound different notes. Use the color-coded poster with notes with the pipes to make a song.

LIGO Connection:

Palm pipes produce pitches based upon their length. Early detectors called "Bar Detectors" used a similar property to listen for gravitational waves. However, it was unsuccessful.