

First and Multi-age vibrations/sound waves experiment

Sounds are made when vibrations happen. What vibrates depends on how the instrument makes sound. Strings vibrate on a violin when bowed, reeds vibrate on an oboe, and your lips vibrate when playing the trumpet. Use the experiment below to help you “see” vibrations.

You will need:

Three bowls of varying sizes

Sugar

Rice

Plastic Cling Wrap

Something to strike the clip wrap

Start by covering the three bowls with cling wrap. Use your hands, pencil, chopstick, back of a spoon to drum(not too hard) on the cling wrap. Notice the different sounds coming from each drum. Why might they sound different. Add rice first, then try sugar on the top of the bowls and do the experiment again. Try humming close to the bowl. What happens with the rice? What happens with the sugar? What other things do you notice? What other ways can you make sounds with the bowls? Is there another object you can put on top of the cling wrap?

List your discoveries below:

Visit the Coffin school website to find Mrs. Murphy’s website under Faculty and Staff or go to www.brunswick.k12.me.us/dmurphy .

There you will find songs, videos, online resources, and information. Email me with any questions and/or picture or videos. I have been enjoying hearing from you. Miss you