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Resonating the Bridge REGINA BARRERA, Lee College, Baytown, TX — A guitar can be used to demonstrate acoustic principles of frequency and tensional forces. In fact, due to all the apps that one can place on a smart device, one can download an item that assists them when adjusting a string to a standard frequency. But, do you ever wonder how well it does its job? Also, how about the amount the force that is acting on the ends, between the bridge to the nut, and why the neck, a stick of wood, doesn't bend under all that pressure? In this workshop, each participant will build a guitar from materials such as cigar box, planar wood, tuners, bolts, nuts and different gauges of wire. Then the slide guitar will be used for the activities to demonstrate frequency and (if we have time) tensional forces. Please, I have limited quantities so only apply if you are a teacher with limited resources (ie a small budget) and demonstrates sound in your classes.

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