<table>
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<th>Scientific IDEA/question</th>
<th>Name of Experiment and brief explanation</th>
<th>Materials needed for ONE experiment</th>
<th>Instructions: how to perform the experiment</th>
<th>What are you observing? Explain Results. Are there any variations to this experiment?</th>
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| Can you make a string talk? | This experiment demonstrates the law of inertia | Thread (18-24 inches long) **Large two-hole button** | Thread the string through the holes of the button and knot the ends together.  
Center the button  
Loop the string on each side of the button on your index fingers.  
Swing button around a number of times in the same direction.  
When the string is wound up, separate your hands pulling the string taut. Bring your hands together, releasing it.  
Alternate pulling and releasing until the string unwinds | What happens?  
The button spins very fast until it twists in the opposite directions. If you spin it fast enough, you hear a whirring sound.  
Why?  
The law of inertia: a body in motion tends to continue in motion. The sound comes from the vibration of the air around the string. |