



**CALIFORNIA STATE SCIENCE FAIR  
2013 PROJECT SUMMARY**

<b>Name(s)</b> <b>Amir S. Kelly</b>	<b>Project Number</b> <b>S0499</b>
<b>Project Title</b> <b>I Think I Can</b>	
<b>Abstract</b> <b>Objectives/Goals</b> The purpose of my project is to understand the effect of encouragement on the vocal range and sustenance on a single note, so singers and vocal instructors everywhere, can understand whether or not verbal encouragement can help their voice, have no effect on the voice at all, or in a way hurt their voice. <b>Methods/Materials</b> To conduct my scientific experiment, I tested the amount of notes the volunteer could sing, and the amount of seconds each singer could sustain a note as my control. For the actual experiment, I gave each singer 4 preselected phrases of verbal encouragement while testing the range once again. Before they started sustaining the note, I gave them each a selected #pep talk#, and I encouraged them with three selected phrases of encouragements. <b>Results</b> I compared the amount of half notes with no encouragement to the amount of half notes the singer could sing with encouragement, and the seconds each singer could sustain a note with and without encouragements. My hypothesis was proven correct, I realized that with the verbal encouragement and boost of the singer's self-esteem, the singer was able to achieve a larger range, and was also able to sustain a note longer than before. <b>Conclusions/Discussion</b> Overall, this project helped me understand the effect of verbal encouragement on the overall ability of a singer, and as a singer and aspiring vocal instructor, it informed me that a simple word of verbal encouragement can go a long way.	
<b>Summary Statement</b> My project is about the effect of verbal encouragement upon the vocal range and sustenance of a single note.	
<b>Help Received</b> Hannah Geiger helped assure that project was properly controlled.	