



**CALIFORNIA STATE SCIENCE FAIR  
2013 PROJECT SUMMARY**

<b>Name(s)</b> <b>Sabrina K. Martin</b>	<b>Project Number</b> <b>J1999</b>
<b>Project Title</b> <b>Pea Plant Party</b>	
<b>Abstract</b> <b>Objectives/Goals</b> The objective of the experiment is to test how the different amounts of Rhizobium bacteria will affect the growth of a pea plant starting from seed. <b>Methods/Materials</b> There were four different testing groups with six pots in each testing group. In the 1st group the pea seed were not exposed to any Rhizobium bacteria, in the next group the seed were exposed to 4 swabs of Rhizobium bacteria. In the 3rd group the pea seeds were exposed to 6 swabs of bacteria, and the last group was exposed to 8 swabs of bacteria. The height of the plant was measured in centimeters everyday for 14 days straight <b>Results</b> The pea plants that were exposed to 8 swabs of bacteria grew the tallest compared to the pea plants not exposed to any bacteria. As the amount of bacteria increased, so did the height of the plant. <b>Conclusions/Discussion</b> Rhizobium bacteria is helpful to the pea plants, more specifically, legume plants. The more bacteria, the more beneficial it is to the plant.	
<b>Summary Statement</b> Exposing pea seeds to different amounts of Rhizobium bacteria to see how it would affect the growth.	
<b>Help Received</b> Ms. Fisher helped with supplies and making sure everything was going ok. Mrs. Diaz helped with our research reports. Jasmine helped with pictures and setting up the pots.	