



**CALIFORNIA STATE SCIENCE FAIR
2008 PROJECT SUMMARY**

Name(s) Olivia L. Joncich	Project Number S1710
Project Title Soil Matters! What Is the Best Type of Soil to Use when Growing Beans?	
Abstract Objectives/Goals I conducted my experiment in order to find the most efficient soil to grow vegetables in, such as the snap bean. I hypothesized that the organic potting soil will produce the healthiest plants because it has the highest amount of organic matter in it. Methods/Materials This test was between 15 different pots containing organic potting soil, inorganic topsoil, and homemade mulch and took place over several weeks. Results Throughout my experiment only certain pots had growing plants. In addition to the organic potting soil producing healthy sprouts, the mulch also provided the beans with enough nutrients to sprout. Conclusions/Discussion The topsoil did not have enough organic matter for the beans to grow. Measuring the result of prolonged plant growth in each individual soil could further improve this project.	
Summary Statement This project exemplified the most efficient type of soil to use in order to grow the tallest, healthiest bean plants.	
Help Received Father helped in transportation of materials.	