

## CALIFORNIA STATE SCIENCE FAIR 2013 PROJECT SUMMARY

Name(s)	Project Number
Alicia N. Hans	J0803
Project Title Getting the Dirt on Soil: Porosity	
Abstract	
<ul> <li>My objective was to find out the effect of the type of soil on its porosi my garden will have a lower porosity than sandy soil.</li> <li>Methods/Materials <ol> <li>I prepared soil samples: 100 mL samples, five samples for each of fou clay soil, potting soil). I poured in the water, stirred the soil, waited fo soil, and continued to add water until the soil was saturated. I recorded Results </li> <li>The average amount of water held by the sample of fine sand was 39 i 29 mL; the average for clay soil was 25 mL; and the average for pottin average porosity for the fine sand was 39%, for the coarse sand 29%, and for the potting soil 36%.</li> </ol> </li> <li>Conclusions/Discussion My data supported my hypothesis. The clay soil from the garden had the highest.</li></ul>	ity. I believe that the clay soil from ar soils (fine sand, coarse sand, sifted or the water to get absorbed by the d the amount of water added. mL; the average for coarse sand was ng soil was 36 mL. Therefore the for clay soil from the garden 25%, the lowest porosity and the fine sand
Summary Statement	