



**CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY**

Name(s) Danielle N. Shepherd	Project Number J0334
Project Title The Nose Knows the Taste	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The purpose is to study whether the sense of smell in children ages 8-12 causes their taste perception to change.</p> <p>Methods/Materials 24 subjects, males and females, age 8-12 a blindfold 1 cup of water 5 small cut up pieces of apple 1 piece of an onion, green pepper and tomato 4 bland crackers binder to keep all pre-made charts, pencils, paper and other recording materials in camera for helper to take photos of testing a watch for timing the experiment</p> <p>Results The various scents affected the taste perception of 65% of the subjects tested. 85% of all subjects said their perception of "LIKE" of the same item was impacted differently by the various scents.</p> <p>Conclusions/Discussion The relationship between taste and smell has been tested and there proved to be a connection. There is a definite relationship between taste and smell.</p>	
Summary Statement The project was implemented to determine if there was a definite relationship between taste and smell.	
Help Received none	