



**CALIFORNIA STATE SCIENCE FAIR
2006 PROJECT SUMMARY**

Name(s) Cheng-Hsin Vincent Shu	Project Number J1922
Project Title The Defense against Ants	
Abstract	
Objectives/Goals Problem Statement: How can people keep ants from entering a home without harming the creatures at all? My objective is to find out what can repel ants yet not harm them in any way by using natural house hold items or products that can be easily bought.	
Methods/Materials Materials: 2 plastic boxes with 2 thin sheets of paper 4 clear plastic cups 2 clear plumbing pipes 4 clear plastic cup covers Masking tape Jolly Ranchers Scissors Lemon slices Rubber bands Baby powder Hot cayenne pepper Garlic Cinnamon spice Instant coffee Ants	
Results Result: After the testing I have found out that many kinds of natural or non-killing agents and repellents are in the world. For example baby powder can be used as an effective repellent to ward off ants.	
Conclusions/Discussion Conclusion: In the world there are many types of natural or non- killing agents, which can be used as household repellents without harming the ants in any way. This is very important because if you don't have these helpful little critters, the earth's ecosystem will become unbalanced, and it will eventually harm us too.	
Summary Statement As a young environmentalist concerned with the preservation of our ecological habitats, I focused my inquiry on the use of natural substances as a safe, cost- effective, to minimize pollution while protecting our planet from toxic abuses.	
Help Received Uncle John taught me how to make the charts and graphs. Dad developed the idea of the maze. Mother helped cut and glue pictures on the board. Mrs. Denenny helped proof read and edit my papers.	