

## CALIFORNIA SCIENCE & ENGINEERING FAIR 2018 PROJECT SUMMARY

Mari E. Ziegler Project Title Biomimicry House Objectives/Goals The objective of my project is to implement the systems that Cathedral Termites their mounds at a consistent temperature into sustainable housing. Methods/Materials I used a thermometer, model house with a central chimney, and a fan. I built a model that circulated air, and recorded the model's temperature over several days. Results The temperatures I took, comparing the outside temperature against the inside temperature, showed that inside my house, the temperature range was smaller th	Project Number J1131	
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<b>Conclusions/Discussion</b> The temperatures of my model showed that, with minimal energy used, we can k a house at a consistent temperature. I have concluded that these plans could be used by builders of all types.	keep	
Summary Statement I designed a house that would stay at a consistent temperature using minimal energy principles used in Cathedral Termite Mounds.	ergy inspired by the	
Help Received My science teacher, Mrs. Morehouse, introduced me to bioimicry. My parents su		